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;
;Program colpitts4w6.m - (c) 2003 Leonard Gojer
;Computation of Coil Component Parameters for Draw1
;
;Initial Frequency and Amplitude Change To Set Up Draw1
;from Colpitts example in textbook

;Desired Frequency = 1000000.000000000000000000
;Desired Amplification = 2.5641025640000001
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1591250.1987552077000000
;Computed Ac1
;(Component Amplification Factor) = 0.4455000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.5597933764520968
;
(defun c:drawblks()
  (progn
    ;
    ;Desired Frequency = 1000000.000000000000000000
    ;Desired Amplification = -219524192.996347250000000000
    ;Initial Result 1 Amplitude = 1020167.3008604913000000
    ;Secondary Result 2 Amplitude = 1591763.0229981595000000
    ;Computed Ac1
    ;(Component Amplification Factor) = 0.4445000000000000
    ;Check of Amplification Factor Desired
    ;(Result 2/Result 1) = 1.5602960628668832
    ;Sign 1 (sign of Result 1) = -1.0000000000000000
    ;Sign 2 (sign of Result 2) = -1.0000000000000000
    ;L1 = 0.000577850000000000
    ;C1 = 687.7483761970102000
    ;C2 = 75.8546003158466960
    ;C3 = 0.0000001057367829
    ;Rd = 3022600.0000000000000000
    ;R1 = 444500000.0000000000000000
    ;Rl1 = 61.6640193456665950
    ;
    ;
    (setq count 1.0000000000000000)
    (setq DesFreq 1000000.0000000000000000)
    (setq DesAmp -219524192.9963472500000000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1591763.0229981595000000)
    (setq CompAc1 0.4445000000000000)
    (setq CheckAmp 1.5602960628668832)
    (setq Sign1 -1.0000000000000000)
    (setq Sign2 -1.0000000000000000)
    (setq L1 0.000577850000000000)
    (setq C1 687.7483761970102000)
    (setq C2 75.8546003158466960)
    (setq C3 0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1 61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
    L1 C1 C2 C3 Rd R1 Rl1)
    ;
  )

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;
;Desired Frequency           = 2000000.000000000000000000
;Desired Amplification       = 354541159.51658762000000000
;Initial Result 1 Amplitude  = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1793977.17412747230000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.7585127190552838
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000
;C1 = 171.9370940492525500
;C2 = 18.9636500789616740
;C3 = 0.0000001057367829
;Rd = 3022600.00000000000000000
;R1 = 444500000.00000000000000000
;Rl1 = 61.6640193456665950
;
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(setq count 2.00000000000000000)
(setq DesFreq 2000000.00000000000000000)
(setq DesAmp 354541159.51658762000000000)
(setq Init1Amp 1020167.30086049130000000)
(setq Sec2Amp 1793977.17412747230000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.7585127190552838)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 171.9370940492525500)
(setq C2 18.9636500789616740)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq Rl1 61.6640193456665950)

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(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
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;Desired Frequency           = 3000000.000000000000000000
;Desired Amplification       = -370953701.86721313000000000
;Initial Result 1 Amplitude  = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1837198.23264726370000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8008793568443360
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000
;C1 = 76.4164862441122350
;C2 = 8.4282889239829650
;C3 = 0.0000001057367829
;Rd = 3022600.00000000000000000
;R1 = 444500000.00000000000000000
;Rl1 = 61.6640193456665950

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;
;
(setq count 3.0000000000000000)
(setq DesFreq 3000000.0000000000000000)
(setq DesAmp -370953701.8672131300000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1837198.2326472637000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8008793568443360)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 76.4164862441122350)
(setq C2 8.4282889239829650)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

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;
;
;Desired Frequency = 4000000.0000000000000000
;Desired Amplification = 296157637.4625126700000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1852821.7998048405000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8161940676220669
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 42.9842735123131380
;C2 = 4.7409125197404185
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

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```

(setq count 4.0000000000000000)
(setq DesFreq 4000000.0000000000000000)
(setq DesAmp 296157637.4625126700000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1852821.7998048405000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8161940676220669)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 42.9842735123131380)
(setq C2 4.7409125197404185)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

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(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
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```
;
;
;Desired Frequency = 5000000.000000000000000000
;Desired Amplification = -188473510.68733287000000000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1860143.59562469020000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8233711216343587
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -0.99999999999999999
;L1 = 0.00057785000000000
;C1 = 27.5099350478804010
;C2 = 3.0341840126338671
;C3 = 0.0000001057367829
;Rd = 3022600.00000000000000000
;R1 = 444500000.00000000000000000
;R11 = 61.6640193456665950
;
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```
(setq count 5.00000000000000000)
(setq DesFreq 5000000.00000000000000000)
(setq DesAmp -188473510.68733287000000000)
(setq Init1Amp 1020167.30086049130000000)
(setq Sec2Amp 1860143.59562469020000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8233711216343587)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -0.99999999999999999)
(setq L1 0.00057785000000000)
(setq C1 27.5099350478804010)
(setq C2 3.0341840126338671)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq R11 61.6640193456665950)
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```
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
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;
;
;Desired Frequency = 6000000.000000000000000000
;Desired Amplification = 96545636.89613819100000000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1864145.17352724870000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8272935938594370
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -0.99999999999999999
;L1 = 0.00057785000000000
;C1 = 19.1041215610280590
;C2 = 2.1070722309957413
;C3 = 0.0000001057367829
```



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;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

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```

(setq count 6.000000000000000000)
(setq DesFreq 6000000.000000000000000000)
(setq DesAmp 96545636.8961381910000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1864145.1735272487000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8272935938594370)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.000577850000000000)
(setq C1 19.1041215610280590)
(setq C2 2.1070722309957413)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)

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(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

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;Desired Frequency = 7000000.000000000000000000
;Desired Amplification = -39504008.1907275320000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1866566.3292895905000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8296668867108150
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 14.0356811468777560
;C2 = 1.5480530676703403
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

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```

(setq count 7.000000000000000000)
(setq DesFreq 7000000.000000000000000000)
(setq DesAmp -39504008.1907275320000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1866566.3292895905000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8296668867108150)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 14.0356811468777560)
(setq C2 1.5480530676703403)
(setq C3 0.0000001057367829)

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(setq Rd 3022600.000000000000000000)
(setq Rl 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 8000000.000000000000000000
;Desired Amplification = 12622083.99949511700000000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1868141.12110328070000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8312105470617810
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000
;C1 = 10.7460683780782840
;C2 = 1.1852281299351046
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;Rl = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;

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```

(setq count 8.000000000000000000)
(setq DesFreq 8000000.000000000000000000)
(setq DesAmp 12622083.99949511700000000)
(setq InitlAmp 1020167.30086049130000000)
(setq Sec2Amp 1868141.12110328070000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8312105470617810)
(setq Signl -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 10.7460683780782840)
(setq C2 1.1852281299351046)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq Rl 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;

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```

;Desired Frequency = 9000000.000000000000000000
;Desired Amplification = -3018099.07936645580000000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1869222.33017295620000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8322703821189952
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000

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;C1 = 8.4907206937902480
;C2 = 0.9364765471092184
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 9.0000000000000000)
(setq DesFreq 9000000.0000000000000000)
(setq DesAmp -3018099.0793664558000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1869222.3301729562000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8322703821189952)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 8.4907206937902480)
(setq C2 0.9364765471092184)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

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```

;Desired Frequency = 10000000.0000000000000000
;Desired Amplification = 499245.1948518250700000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1869996.4813518643000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8330292293965496
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 6.8774837619701001
;C2 = 0.7585460031584668
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

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```

(setq count 10.0000000000000000)
(setq DesFreq 10000000.0000000000000000)
(setq DesAmp 499245.1948518250700000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1869996.4813518643000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8330292293965496)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)

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    (setq C1      6.8774837619701001)
    (setq C2      0.7585460031584668)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency          =          11000000.0000000000000000
;Desired Amplification      =          -48278.1461519150250000
;Initial Result 1 Amplitude =          1020167.3008604913000000
;Secondary Result 2 Amplitude =          1870569.6784979163000000
;Computed Acl
;(Component Amplification Factor) =          0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) =          1.8335910952253882
;Sign 1 (sign of Result 1) =          -1.0000000000000000
;Sign 2 (sign of Result 2) =          -1.0000000000000000
;L1 =          0.0005778500000000
;C1 =          5.6838708776612412
;C2 =          0.6268975232714603
;C3 =          0.0000001057367829
;Rd =          3022600.0000000000000000
;R1 =          444500000.0000000000000000
;R11 =          61.6640193456665950
;
;
    (setq count      11.0000000000000000)
    (setq DesFreq 11000000.0000000000000000)
    (setq DesAmp -48278.1461519150250000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1870569.6784979163000000)
    (setq CompAcl      0.4445000000000000)
    (setq CheckAmp      1.8335910952253882)
    (setq Sign1      -1.0000000000000000)
    (setq Sign2      -1.0000000000000000)
    (setq L1      0.0005778500000000)
    (setq C1      5.6838708776612412)
    (setq C2      0.6268975232714603)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq R11     61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency          =          12000000.0000000000000000
;Desired Amplification      =          1530.5256409644201000
;Initial Result 1 Amplitude =          1020167.3008604913000000
;Secondary Result 2 Amplitude =          1871005.8766148859000000
;Computed Acl
;(Component Amplification Factor) =          0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) =          1.8340186703070456

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;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -1.0000000000000000
;L1                              =      0.0005778500000000
;C1                              =      4.7760303902570147
;C2                              =      0.5267680577489353
;C3                              =      0.0000001057367829
;Rd                              =      3022600.0000000000000000
;R1                              =      444500000.0000000000000000
;R11                             =      61.6640193456665950
;
;
  (setq count      12.0000000000000000)
  (setq DesFreq 12000000.0000000000000000)
  (setq DesAmp 1530.5256409644201000)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1871005.8766148859000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8340186703070456)
  (setq Sign1 -1.0000000000000000)
  (setq Sign2 -1.0000000000000000)
  (setq L1 0.0005778500000000)
  (setq C1 4.7760303902570147)
  (setq C2 0.5267680577489353)
  (setq C3 0.0000001057367829)
  (setq Rd 3022600.0000000000000000)
  (setq R1 444500000.0000000000000000)
  (setq R11 61.6640193456665950)
  (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency              =      13000000.0000000000000000
;Desired Amplification          =      46.7538461519760060
;Initial Result 1 Amplitude     =      1020167.3008604913000000
;Secondary Result 2 Amplitude   =      1871345.4814504706000000
;Computed Acl                   =
;(Component Amplification Factor) =      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)           =      1.8343515616233015
;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -1.0000000000000000
;L1                              =      0.0005778500000000
;C1                              =      4.0695170189172201
;C2                              =      0.4488437888511638
;C3                              =      0.0000001057367829
;Rd                              =      3022600.0000000000000000
;R1                              =      444500000.0000000000000000
;R11                             =      61.6640193456665950
;
;
  (setq count      13.0000000000000000)
  (setq DesFreq 13000000.0000000000000000)
  (setq DesAmp 46.7538461519760060)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1871345.4814504706000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8343515616233015)

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(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 4.0695170189172201)
(setq C2 0.4488437888511638)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

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;
;
;Desired Frequency = 14000000.0000000000000000
;Desired Amplification = 4.2923076921360002
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871615.0351590670000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8346157866267583
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 3.5089202867194391
;C2 = 0.3870132669175851
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

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```

(setq count 14.0000000000000000)
(setq DesFreq 14000000.0000000000000000)
(setq DesAmp 4.2923076921360002)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871615.0351590670000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8346157866267583)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 3.5089202867194391)
(setq C2 0.3870132669175851)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 15000000.0000000000000000
;Desired Amplification = 0.6897435897160000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1863033.3435694377000000
;Computed Acl

```

```

; (Component Amplification Factor) = 4.417900000000000004
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8262037432468237
; Sign 1 (sign of Result 1) = -1.000000000000000000
; Sign 2 (sign of Result 2) = -1.000000000000000000
; L1 = 0.005743270000000000
; C1 = 0.3075409414926357
; C2 = 0.0339199567822760
; C3 = 0.0000000106385387
; Rd = 30041720.0000000040000000
; R1 = 4417900000.000000000000000000
; R11 = 612.8806998137693000
;
;

```

```

(setq count 15.000000000000000000)
(setq DesFreq 15000000.000000000000000000)
(setq DesAmp 0.6897435897160000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1863033.3435694377000000)
(setq CompAcl 4.417900000000000004)
(setq CheckAmp 1.8262037432468237)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.005743270000000000)
(setq C1 0.3075409414926357)
(setq C2 0.0339199567822760)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.000000000000000000)
(setq R11 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

; Desired Frequency = 16000000.000000000000000000
; Desired Amplification = 0.1512820512760000
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1864270.6219760755000000
; Computed Acl
; (Component Amplification Factor) = 4.417900000000000004
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8274165623654077
; Sign 1 (sign of Result 1) = -1.000000000000000000
; Sign 2 (sign of Result 2) = -0.999999999999999999
; L1 = 0.005743270000000000
; C1 = 0.2702996556087619
; C2 = 0.0298124620156723
; C3 = 0.0000000106385387
; Rd = 30041720.0000000040000000
; R1 = 4417900000.000000000000000000
; R11 = 612.8806998137693000
;
;

```

```

(setq count 16.000000000000000000)
(setq DesFreq 16000000.000000000000000000)
(setq DesAmp 0.1512820512760000)
(setq InitlAmp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1864270.6219760755000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8274165623654077)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.2702996556087619)
(setq C2 0.0298124620156723)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 17000000.0000000000000000
;Desired Amplification = 0.0000000000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1865297.2962033635000000
;Computed Acl
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8284229406588719
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.2394349890513600
;C2 = 0.0264082708512529
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;

```

```

(setq count 17.0000000000000000)
(setq DesFreq 17000000.0000000000000000)
(setq DesAmp 0.0000000000000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1865297.2962033635000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8284229406588719)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.2394349890513600)
(setq C2 0.0264082708512529)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 18000000.0000000000000000
;Desired Amplification = -0.0641025641000000

```



```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1866158.5255147901000000
;Computed Ac1
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1)           = 1.8292671446543343
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0057432700000000
;C1                              = 0.2135700982587748
;C2                              = 0.0235555255432472
;C3                              = 0.0000000106385387
;Rd                              = 30041720.0000000040000000
;R1                              = 4417900000.0000000000000000
;R11                             = 612.8806998137693000
;
;

```

```

(setq count 18.0000000000000000)
(setq DesFreq 18000000.0000000000000000)
(setq DesAmp -0.0641025641000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1866158.5255147901000000)
(setq CompAc1 4.4179000000000004)
(setq CheckAmp 1.8292671446543343)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.2135700982587748)
(setq C2 0.0235555255432472)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency      = 19000000.0000000000000000
;Desired Amplification  = -0.0230769230760000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1866887.9979292781000000
;Computed Ac1
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1)           = 1.8299821964050351
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0057432700000000
;C1                              = 0.1916806422045514
;C2                              = 0.0211412473019726
;C3                              = 0.0000000106385387
;Rd                              = 30041720.0000000040000000
;R1                              = 4417900000.0000000000000000
;R11                             = 612.8806998137693000
;
;

```

```

(setq count 19.0000000000000000)

```

```

(setq DesFreq 19000000.000000000000000000)
(setq DesAmp -0.0230769230760000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1866887.9979292781000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8299821964050351)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.1916806422045514)
(setq C2 0.0211412473019726)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 20000000.0000000000000000
;Desired Amplification = 0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1867511.2578561634000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8305931353425600
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.1729917795896076
;C2 = 0.0190799756900302
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;
(setq count 20.0000000000000000)
(setq DesFreq 20000000.0000000000000000)
(setq DesAmp 0.0179487179480000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1867511.2578561634000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8305931353425600)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.1729917795896076)
(setq C2 0.0190799756900302)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;

```

```

;
;Desired Frequency           = 21000000.000000000000000000
;Desired Amplification       = 0.0205128205120000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1868047.9559355574000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8311192236409610
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -0.999999999999999999
;L1 = 0.005743270000000000
;C1 = 0.1569086436186917
;C2 = 0.0173061003991204
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;

```

```

(setq count 21.0000000000000000)
(setq DesFreq 21000000.0000000000000000)
(setq DesAmp 0.0205128205120000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1868047.9559355574000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8311192236409610)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.005743270000000000)
(setq C1 0.1569086436186917)
(setq C2 0.0173061003991204)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency           = 22000000.000000000000000000
;Desired Amplification       = 0.0128205128200000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1868513.4021487555000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8315754686243138
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.005743270000000000
;C1 = 0.1429684128839732
;C2 = 0.0157685749504382
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000

```

```

;
;
(setq count 22.0000000000000000)
(setq DesFreq 22000000.0000000000000000)
(setq DesAmp 0.0128205128200000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1868513.4021487555000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8315754686243138)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.1429684128839732)
(setq C2 0.0157685749504382)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 23000000.0000000000000000
;Desired Amplification = -0.0358974358960000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1868919.6622167910000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8319736974909837
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.1308066386310832
;C2 = 0.0144272027901930
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;

```

```

(setq count 23.0000000000000000)
(setq DesFreq 23000000.0000000000000000)
(setq DesAmp -0.0358974358960000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1868919.6622167910000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8319736974909837)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.1308066386310832)
(setq C2 0.0144272027901930)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 24000000.000000000000000000
;Desired Amplification       = -0.0076923076920000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1869276.3487083586000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8323233327824371
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0057432700000000
;C1 = 0.1201331802705608
;C2 = 0.0132499831180766
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;

```

```

      (setq count 24.0000000000000000)
      (setq DesFreq 24000000.0000000000000000)
      (setq DesAmp -0.0076923076920000)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1869276.3487083586000000)
      (setq CompAcl 4.41790000000000004)
      (setq CheckAmp 1.8323233327824371)
      (setq Signl -1.0000000000000000)
      (setq Sign2 -0.9999999999999999)
      (setq L1 0.0057432700000000)
      (setq C1 0.1201331802705608)
      (setq C2 0.0132499831180766)
      (setq C3 0.0000000106385387)
      (setq Rd 30041720.0000000040000000)
      (setq R1 4417900000.0000000000000000)
      (setq Rl1 612.8806998137693000)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 25000000.000000000000000000
;Desired Amplification       = 0.0589743589720000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1869591.2006360346000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8326319605216428
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.1107147389373488
;C2 = 0.0122111844416194
;C3 = 0.0000000106385387

```

```

;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;
(setq count 25.0000000000000000)
(setq DesFreq 25000000.0000000000000000)
(setq DesAmp 0.0589743589720000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1869591.2006360346000000)
(setq CompAc1 4.41790000000000004)
(setq CheckAmp 1.8326319605216428)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.1107147389373488)
(setq C2 0.0122111844416194)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 26000000.0000000000000000
;Desired Amplification = 0.0128205128200000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1869870.5099334461000000
;Computed Ac1
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8329057482593754
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0057432700000000
;C1 = 0.1023619997571643
;C2 = 0.0112899264438049
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;
(setq count 26.0000000000000000)
(setq DesFreq 26000000.0000000000000000)
(setq DesAmp 0.0128205128200000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1869870.5099334461000000)
(setq CompAc1 4.41790000000000004)
(setq CheckAmp 1.8329057482593754)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.1023619997571643)
(setq C2 0.0112899264438049)
(setq C3 0.0000000106385387)

```

```

      (setq Rd 30041720.00000000400000000)
      (setq R1 4417900000.00000000000000000)
      (setq R11 612.8806998137693000)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 27000000.00000000000000000
;Desired Amplification = -0.03333333333320000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1870119.4347797474000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8331497522047002
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00574327000000000
;C1 = 0.0949200436705666
;C2 = 0.0104691224636654
;C3 = 0.0000000106385387
;Rd = 30041720.00000000400000000
;R1 = 4417900000.00000000000000000
;R11 = 612.8806998137693000
;
;

```

```

      (setq count 27.00000000000000000)
      (setq DesFreq 27000000.00000000000000000)
      (setq DesAmp -0.03333333333320000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1870119.4347797474000000)
      (setq CompAcl 4.41790000000000004)
      (setq CheckAmp 1.8331497522047002)
      (setq Sign1 -1.00000000000000000)
      (setq Sign2 -1.00000000000000000)
      (setq L1 0.00574327000000000)
      (setq C1 0.0949200436705666)
      (setq C2 0.0104691224636654)
      (setq C3 0.0000000106385387)
      (setq Rd 30041720.00000000400000000)
      (setq R1 4417900000.00000000000000000)
      (setq R11 612.8806998137693000)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 28000000.00000000000000000
;Desired Amplification = -0.0256410256400000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1870342.2316183236000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8333681446569856
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00574327000000000

```

```

;C1 = 0.0882611120355141
;C2 = 0.0097346814745052
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;

```

```

(setq count 28.0000000000000000)
(setq DesFreq 28000000.0000000000000000)
(setq DesAmp -0.0256410256400000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1870342.2316183236000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8333681446569856)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0882611120355141)
(setq C2 0.0097346814745052)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 29000000.0000000000000000
;Desired Amplification = -0.0282051282040000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1870542.4323887257000000
;Computed Acl
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8335643877342076
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.0822790866062343
;C2 = 0.0090748992580405
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;

```

```

(setq count 29.0000000000000000)
(setq DesFreq 29000000.0000000000000000)
(setq DesAmp -0.0282051282040000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1870542.4323887257000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8335643877342076)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)

```



```

    (setq C1      0.0822790866062343)
    (setq C2      0.0090748992580405)
    (setq C3      0.0000000106385387)
    (setq Rd 30041720.0000000040000000)
    (setq R1 4417900000.0000000000000000)
    (setq Rl1 612.8806998137693000)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 30000000.0000000000000000
;Desired Amplification       = 0.0256410256400000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1870722.9860583008000000
;Computed Acl
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8337413721066951
;Sign 1 (sign of Result 1)    = -1.0000000000000000
;Sign 2 (sign of Result 2)    = -1.0000000000000000
;L1                            = 0.0057432700000000
;C1                            = 0.0768852353731589
;C2                            = 0.0084799891955690
;C3                            = 0.0000000106385387
;Rd                            = 30041720.0000000040000000
;R1                            = 4417900000.0000000000000000
;Rl1                           = 612.8806998137693000
;
;

```

```

    (setq count 30.0000000000000000)
    (setq DesFreq 30000000.0000000000000000)
    (setq DesAmp 0.0256410256400000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1870722.9860583008000000)
    (setq CompAcl 4.4179000000000004)
    (setq CheckAmp 1.8337413721066951)
    (setq Sign1 -1.0000000000000000)
    (setq Sign2 -1.0000000000000000)
    (setq L1 0.0057432700000000)
    (setq C1 0.0768852353731589)
    (setq C2 0.0084799891955690)
    (setq C3 0.0000000106385387)
    (setq Rd 30041720.0000000040000000)
    (setq R1 4417900000.0000000000000000)
    (setq Rl1 612.8806998137693000)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 31000000.0000000000000000
;Desired Amplification       = 0.0615384615360000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1870886.3741616111000000
;Computed Acl
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8339015302524937

```

```

;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -1.0000000000000000
;L1                              =      0.0057432700000000
;C1                              =      0.0720049030549876
;C2                              =      0.0079417172487119
;C3                              =      0.0000000106385387
;Rd                              =      30041720.0000000040000000
;R1                              =      4417900000.0000000000000000
;R11                             =      612.8806998137693000
;
;
      (setq count      31.0000000000000000)
      (setq DesFreq 31000000.0000000000000000)
      (setq DesAmp    0.0615384615360000)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1870886.3741616111000000)
      (setq CompAcl   4.4179000000000004)
      (setq CheckAmp  1.8339015302524937)
      (setq Sign1     -1.0000000000000000)
      (setq Sign2     -1.0000000000000000)
      (setq L1        0.0057432700000000)
      (setq C1        0.0720049030549876)
      (setq C2        0.0079417172487119)
      (setq C3        0.0000000106385387)
      (setq Rd 30041720.0000000040000000)
      (setq R1 4417900000.0000000000000000)
      (setq R11 612.8806998137693000)
      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency              =      32000000.0000000000000000
;Desired Amplification          =      0.0025641025640000
;Initial Result 1 Amplitude     =      1020167.3008604913000000
;Secondary Result 2 Amplitude   =      1871034.7026636903000000
;Computed Acl                   =
;(Component Amplification Factor) =      4.4179000000000004
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           =      1.8340469265046124
;Sign 1 (sign of Result 1)     =      -1.0000000000000000
;Sign 2 (sign of Result 2)     =      -1.0000000000000000
;L1                              =      0.0057432700000000
;C1                              =      0.0675749139021905
;C2                              =      0.0074531155039181
;C3                              =      0.0000000106385387
;Rd                              =      30041720.0000000040000000
;R1                              =      4417900000.0000000000000000
;R11                             =      612.8806998137693000
;
;
      (setq count      32.0000000000000000)
      (setq DesFreq 32000000.0000000000000000)
      (setq DesAmp    0.0025641025640000)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1871034.7026636903000000)
      (setq CompAcl   4.4179000000000004)
      (setq CheckAmp  1.8340469265046124)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0675749139021905)
(setq C2 0.0074531155039181)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 33000000.0000000000000000
;Desired Amplification = -0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871169.7705940180000000
;Computed Acl
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8341793243281987
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0057432700000000
;C1 = 0.0635415168373214
;C2 = 0.0070082555335281
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;
(setq count 33.0000000000000000)
(setq DesFreq 33000000.0000000000000000)
(setq DesAmp -0.0179487179480000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1871169.7705940180000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8341793243281987)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.0635415168373214)
(setq C2 0.0070082555335281)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 34000000.0000000000000000
;Desired Amplification = 0.0025641025640000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871293.1191319160000000
;Computed Acl

```

```

; (Component Amplification Factor)
; Check of Amplification Factor Desired
; (Result 2/Result 1)
; Sign 1 (sign of Result 1)
; Sign 2 (sign of Result 2)
; L1
; C1
; C2
; C3
; Rd
; R1
; R11
;
;

```

```

= 4.417900000000000004
= 1.8343002344355839
= -1.0000000000000000
= -1.0000000000000000
= 0.0057432700000000
= 0.0598587472628400
= 0.0066020677128132
= 0.0000000106385387
= 30041720.0000000040000000
= 4417900000.0000000000000000
= 612.8806998137693000

```

```

(setq count 34.0000000000000000)
(setq DesFreq 34000000.0000000000000000)
(setq DesAmp 0.0025641025640000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871293.1191319160000000)
(setq CompAcl 4.417900000000000004)
(setq CheckAmp 1.8343002344355839)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0598587472628400)
(setq C2 0.0066020677128132)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2

```

```

L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

; Desired Frequency
; Desired Amplification
; Initial Result 1 Amplitude
; Secondary Result 2 Amplitude
; Computed Acl
; (Component Amplification Factor)
; Check of Amplification Factor Desired
; (Result 2/Result 1)
; Sign 1 (sign of Result 1)
; Sign 2 (sign of Result 2)
; L1
; C1
; C2
; C3
; Rd
; R1
; R11
;
;

```

```

= 35000000.0000000000000000
= 0.0179487179480000
= 1020167.3008604913000000
= 1871406.0688619392000000
= 4.417900000000000004
= 1.8344109513051876
= -1.0000000000000000
= -1.0000000000000000
= 0.0057432700000000
= 0.0564871117027290
= 0.0062301961436833
= 0.0000000106385387
= 30041720.0000000040000000
= 4417900000.0000000000000000
= 612.8806998137693000

```

```

;
;
(setq count 35.0000000000000000)
(setq DesFreq 35000000.0000000000000000)
(setq DesAmp 0.0179487179480000)
(setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1871406.0688619392000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8344109513051876)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0564871117027290)
(setq C2 0.0062301961436833)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 36000000.0000000000000000
;Desired Amplification = 0.0282051282040000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871509.7531706532000000
;Computed Acl
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8345125859180855
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0057432700000000
;C1 = 0.0533925245646937
;C2 = 0.0058888813858118
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;
(setq count 36.0000000000000000)
(setq DesFreq 36000000.0000000000000000)
(setq DesAmp 0.0282051282040000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1871509.7531706532000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8345125859180855)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.0533925245646937)
(setq C2 0.0058888813858118)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 37000000.0000000000000000
;Desired Amplification = -0.0128205128200000

```

```

;Initial Result 1 Amplitude      = 1020167.30086049130000000
;Secondary Result 2 Amplitude    = 1871605.15125173190000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8346060981106427
;Sign 1 (sign of Result 1)      = -1.00000000000000000
;Sign 2 (sign of Result 2)      = -1.00000000000000000
;L1                              = 0.00574327000000000
;C1                              = 0.0505454432694251
;C2                              = 0.0055748650664807
;C3                              = 0.0000000106385387
;Rd                              = 30041720.00000000400000000
;R1                              = 4417900000.00000000000000000
;Rl1                             = 612.8806998137693000
;
;

```

```

(setq count 37.00000000000000000)
(setq DesFreq 37000000.00000000000000000)
(setq DesAmp -0.01282051282000000)
(setq Init1Amp 1020167.30086049130000000)
(setq Sec2Amp 1871605.15125173190000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8346060981106427)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00574327000000000)
(setq C1 0.0505454432694251)
(setq C2 0.0055748650664807)
(setq C3 0.0000000106385387)
(setq Rd 30041720.00000000400000000)
(setq R1 4417900000.00000000000000000)
(setq Rl1 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency              = 38000000.00000000000000000
;Desired Amplification          = -0.0410256410240000
;Initial Result 1 Amplitude     = 1020167.30086049130000000
;Secondary Result 2 Amplitude    = 1871693.11833817280000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8346923262090797
;Sign 1 (sign of Result 1)      = -1.00000000000000000
;Sign 2 (sign of Result 2)      = -1.00000000000000000
;L1                              = 0.00574327000000000
;C1                              = 0.0479201605511378
;C2                              = 0.0052853118254931
;C3                              = 0.0000000106385387
;Rd                              = 30041720.00000000400000000
;R1                              = 4417900000.00000000000000000
;Rl1                             = 612.8806998137693000
;
;

```

```

(setq count 38.00000000000000000)

```

```

(setq DesFreq 38000000.000000000000000000)
(setq DesAmp -0.0410256410240000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871693.1183381728000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8346923262090797)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0479201605511378)
(setq C2 0.0052853118254931)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 39000000.0000000000000000
;Desired Amplification = -0.0051282051280000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871774.4083273134000000
;Computed Acl = 4.41790000000000004
;(Component Amplification Factor) = 1.8347720092072233
;Check of Amplification Factor Desired = -1.0000000000000000
;(Result 2/Result 1) = -0.9999999999999999
;Sign 1 (sign of Result 1) = 0.0057432700000000
;Sign 2 (sign of Result 2) = 0.0454942221142952
;L1 = 0.0050177450861355
;C1 = 0.0000000106385387
;C2 = 30041720.0000000040000000
;C3 = 4417900000.0000000000000000
;Rd = 612.8806998137693000
;R1
;Rl1
;
;
(setq count 39.0000000000000000)
(setq DesFreq 39000000.0000000000000000)
(setq DesAmp -0.0051282051280000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871774.4083273134000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8347720092072233)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.0454942221142952)
(setq C2 0.0050177450861355)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```

```

;
;Desired Frequency           = 40000000.000000000000000000
;Desired Amplification       = 0.0256410256400000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871849.6867631143000000
;Computed Ac1
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8348457994921477
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.0432479448974019
;C2 = 0.0047699939225076
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;

```

```

(setq count 40.0000000000000000)
(setq DesFreq 40000000.0000000000000000)
(setq DesAmp 0.0256410256400000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871849.6867631143000000)
(setq CompAc1 4.41790000000000004)
(setq CheckAmp 1.8348457994921477)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0432479448974019)
(setq C2 0.0047699939225076)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency           = 41000000.000000000000000000
;Desired Amplification       = 0.0641025641000000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871919.5375047096000000
;Computed Ac1
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8349142693808966
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.0411640165590976
;C2 = 0.0045401488851946
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000

```



```

;
;
(setq count 41.0000000000000000)
(setq DesFreq 41000000.0000000000000000)
(setq DesAmp 0.0641025641000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871919.5375047096000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8349142693808966)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0411640165590976)
(setq C2 0.0045401488851946)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 42000000.0000000000000000
;Desired Amplification = 0.0384615384600000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1871984.4694534556000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8349779177145487
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.0392271609046729
;C2 = 0.0043265250997801
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;

```

```

(setq count 42.0000000000000000)
(setq DesFreq 42000000.0000000000000000)
(setq DesAmp 0.0384615384600000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1871984.4694534556000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8349779177145487)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0392271609046729)
(setq C2 0.0043265250997801)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq R11 612.8806998137693000)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 43000000.000000000000000000
;Desired Amplification       = -0.0538461538440000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872044.9276272673000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8350371807136279
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0057432700000000
;C1 = 0.0374238571313375
;C2 = 0.0041276313012505
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;R11 = 612.8806998137693000
;
;

```

```

      (setq count 43.0000000000000000)
      (setq DesFreq 43000000.0000000000000000)
      (setq DesAmp -0.0538461538440000)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1872044.9276272673000000)
      (setq CompAcl 4.41790000000000004)
      (setq CheckAmp 1.8350371807136279)
      (setq Sign1 -1.0000000000000000)
      (setq Sign2 -1.0000000000000000)
      (setq L1 0.0057432700000000)
      (setq C1 0.0374238571313375)
      (setq C2 0.0041276313012505)
      (setq C3 0.0000000106385387)
      (setq Rd 30041720.0000000040000000)
      (setq R1 4417900000.0000000000000000)
      (setq R11 612.8806998137693000)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 44000000.000000000000000000
;Desired Amplification       = -0.0230769230760000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872101.3073935984000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8350924459297189
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0057432700000000
;C1 = 0.0357421032209933
;C2 = 0.0039421437376096
;C3 = 0.0000000106385387

```

```

;Rd = 30041720.0000000040000000
;Rl = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;
(setq count 44.0000000000000000)
(setq DesFreq 44000000.0000000000000000)
(setq DesAmp -0.0230769230760000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1872101.3073935984000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8350924459297189)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.0357421032209933)
(setq C2 0.0039421437376096)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq Rl 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 45000000.0000000000000000
;Desired Amplification = 0.0435897435880000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872153.9665403059000000
;Computed Acl =
;(Component Amplification Factor) = 4.4179000000000004
;Check of Amplification Factor Desired =
;(Result 2/Result 1) = 1.8351440640777061
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0057432700000000
;C1 = 0.0341712157214040
;C2 = 0.0037688840869196
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;Rl = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;
(setq count 45.0000000000000000)
(setq DesFreq 45000000.0000000000000000)
(setq DesAmp 0.0435897435880000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1872153.9665403059000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8351440640777061)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0057432700000000)
(setq C1 0.0341712157214040)
(setq C2 0.0037688840869196)
(setq C3 0.0000000106385387)

```

```

(setq Rd 30041720.00000000400000000)
(setq Rl 4417900000.00000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 46000000.00000000000000000
;Desired Amplification = 0.03333333333320000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1872203.23065033860000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8351923543042123
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00574327000000000
;C1 = 0.0327016596577708
;C2 = 0.0036068006975483
;C3 = 0.0000000106385387
;Rd = 30041720.00000000400000000
;Rl = 4417900000.00000000000000000
;Rl1 = 612.8806998137693000
;
;

```

```

(setq count 46.00000000000000000)
(setq DesFreq 46000000.00000000000000000)
(setq DesAmp 0.03333333333320000)
(setq InitlAmp 1020167.30086049130000000)
(setq Sec2Amp 1872203.23065033860000000)
(setq CompAcl 4.41790000000000004)
(setq CheckAmp 1.8351923543042123)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00574327000000000)
(setq C1 0.0327016596577708)
(setq C2 0.0036068006975483)
(setq C3 0.0000000106385387)
(setq Rd 30041720.00000000400000000)
(setq Rl 4417900000.00000000000000000)
(setq Rl1 612.8806998137693000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 47000000.00000000000000000
;Desired Amplification = 0.15897435896800000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1872249.39221276270000000
;Computed Acl
;(Component Amplification Factor) = 4.41790000000000004
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8352376033161981
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00574327000000000

```

```

;C1 = 0.0313249035019661
;C2 = 0.0034549525921286
;C3 = 0.0000000106385387
;Rd = 30041720.0000000040000000
;R1 = 4417900000.0000000000000000
;Rl1 = 612.8806998137693000
;
;

```

```

(setq count 47.0000000000000000)
(setq DesFreq 47000000.0000000000000000)
(setq DesAmp 0.1589743589680000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1872249.3922127627000000)
(setq CompAcl 4.4179000000000004)
(setq CheckAmp 1.8352376033161981)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0057432700000000)
(setq C1 0.0313249035019661)
(setq C2 0.0034549525921286)
(setq C3 0.0000000106385387)
(setq Rd 30041720.0000000040000000)
(setq R1 4417900000.0000000000000000)
(setq Rl1 612.8806998137693000)

```

```

(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency = 48000000.0000000000000000
;Desired Amplification = 0.8230769230440000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872589.2969771801000000
;Computed Acl
;(Component Amplification Factor) = 2.7350000000000003
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8355707886321071
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0035555000000000
;C1 = 0.0485133799924416
;C2 = 0.0053507404403428
;C3 = 0.0000000171846435
;Rd = 18598000.0000000040000000
;R1 = 2735000000.0000005000000000
;Rl1 = 379.4175318569137400
;
;

```

```

(setq count 48.0000000000000000)
(setq DesFreq 48000000.0000000000000000)
(setq DesAmp 0.8230769230440000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1872589.2969771801000000)
(setq CompAcl 2.7350000000000003)
(setq CheckAmp 1.8355707886321071)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0035555000000000)

```

```

    (setq C1      0.0485133799924416)
    (setq C2      0.0053507404403428)
    (setq C3      0.0000000171846435)
    (setq Rd 18598000.0000000040000000)
    (setq R1 2735000000.0000005000000000)
    (setq Rl1 379.4175318569137400)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 49000000.0000000000000000
;Desired Amplification = 6.0461538459120003
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873166.0246433257000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361361151875253
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.2864424723852604
;C2 = 0.0315929197483743
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
    (setq count 49.0000000000000000)
    (setq DesFreq 49000000.0000000000000000)
    (setq DesAmp 6.0461538459120003)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873166.0246433257000000)
    (setq CompAcl 0.4445000000000000)
    (setq CheckAmp 1.8361361151875253)
    (setq Sign1 -1.0000000000000000)
    (setq Sign2 -1.0000000000000000)
    (setq L1 0.0005778500000000)
    (setq C1 0.2864424723852604)
    (setq C2 0.0315929197483743)
    (setq C3 0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1 61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 50000000.0000000000000000
;Desired Amplification = 75.5461538431320040
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873171.4890370795000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361414715577493

```

```

;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.2750993504788040
;C2                              = 0.0303418401263387
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 50.0000000000000000)
(setq DesFreq 50000000.0000000000000000)
(setq DesAmp 75.5461538431320040)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873171.4890370795000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361414715577493)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.2750993504788040)
(setq C2 0.0303418401263387)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency              = 51000000.0000000000000000
;Desired Amplification          = 3725.9820511330122000
;Initial Result 1 Amplitude     = 1020167.3008604913000000
;Secondary Result 2 Amplitude   = 1873176.6343949588000000
;Computed Acl                   =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           = 1.8361465151989982
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.2644169074190735
;C2                              = 0.0291636294947507
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 51.0000000000000000)
(setq DesFreq 51000000.0000000000000000)
(setq DesAmp 3725.9820511330122000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873176.6343949588000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361465151989982)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.2644169074190735)
(setq C2 0.0291636294947507)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 52000000.0000000000000000
;Desired Amplification = -87837.6640990505980000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873181.4853857281000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361512702923688
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.2543448136823263
;C2 = 0.0280527368031977
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 52.0000000000000000)
(setq DesFreq 52000000.0000000000000000)
(setq DesAmp -87837.6640990505980000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873181.4853857281000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361512702923688)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.2543448136823263)
(setq C2 0.0280527368031977)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 53000000.0000000000000000
;Desired Amplification = 813565.3615059189000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873186.0647524083000000
;Computed Acl

```



```

; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8361557591312840
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -0.9999999999999999
; L1 = 0.0005778500000000
; C1 = 0.2448374425763653
; C2 = 0.0270041296959226
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;

```

```

(setq count 53.0000000000000000)
(setq DesFreq 53000000.0000000000000000)
(setq DesAmp 813565.3615059189000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873186.0647524083000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361557591312840)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.2448374425763653)
(setq C2 0.0270041296959226)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

; Desired Frequency = 54000000.0000000000000000
; Desired Amplification = -4585518.9895601692000000
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1873190.3928855842000000
; Computed Acl
; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8361600017032349
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.0005778500000000
; C1 = 0.2358533526052847
; C2 = 0.0260132374197005
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;

```

```

(setq count 54.0000000000000000)
(setq DesFreq 54000000.0000000000000000)
(setq DesAmp -4585518.9895601692000000)
(setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873190.39288558420000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8361600017032349)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 0.2358533526052847)
(setq C2 0.0260132374197005)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 55000000.00000000000000000
;Desired Amplification = 18188825.98388783300000000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1873194.48766167350000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361640155312471
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000
;C1 = 0.2273548351064496
;C2 = 0.0250759009308584
;C3 = 0.0000001057367829
;Rd = 3022600.00000000000000000
;R1 = 444500000.00000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 55.00000000000000000)
(setq DesFreq 55000000.00000000000000000)
(setq DesAmp 18188825.98388783300000000)
(setq InitlAmp 1020167.30086049130000000)
(setq Sec2Amp 1873194.48766167350000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8361640155312471)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 0.2273548351064496)
(setq C2 0.0250759009308584)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 56000000.00000000000000000
;Desired Amplification = -54481138.19525665800000000

```

```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873198.3648843204000000
;Computed Ac1
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8361678161065484
;Sign 1 (sign of Result 1)       = -1.0000000000000000
;Sign 2 (sign of Result 2)       = -1.0000000000000000
;L1                               = 0.0005778500000000
;C1                               = 0.2193075179199649
;C2                               = 0.0241883291823491
;C3                               = 0.0000001057367829
;Rd                               = 3022600.0000000000000000
;R1                               = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 56.0000000000000000)
(setq DesFreq 56000000.0000000000000000)
(setq DesAmp -54481138.1952566580000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873198.3648843204000000)
(setq CompAc1 0.4445000000000000)
(setq CheckAmp 1.8361678161065484)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.2193075179199649)
(setq C2 0.0241883291823491)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency              = 57000000.0000000000000000
;Desired Amplification          = 128064652.5974415200000000
;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873202.0391123551000000
;Computed Ac1
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8361714177001611
;Sign 1 (sign of Result 1)       = -1.0000000000000000
;Sign 2 (sign of Result 2)       = -1.0000000000000000
;L1                               = 0.0005778500000000
;C1                               = 0.2116800172967099
;C2                               = 0.0233470607312548
;C3                               = 0.0000001057367829
;Rd                               = 3022600.0000000000000000
;R1                               = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 57.0000000000000000)

```

```

(setq DesFreq 57000000.000000000000000000)
(setq DesAmp 128064652.597441520000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873202.039112355100000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8361714177001611)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.2116800172967099)
(setq C2 0.0233470607312548)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 58000000.000000000000000000
;Desired Amplification = -241013514.010872270000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873205.524296821300000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361748339873361
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -0.999999999999999999
;L1 = 0.000577850000000000
;C1 = 0.2044436314497652
;C2 = 0.0225489299393123
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 58.000000000000000000)
(setq DesFreq 58000000.000000000000000000)
(setq DesAmp -241013514.010872270000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873205.524296821300000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8361748339873361)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -0.999999999999999999)
(setq L1 0.000577850000000000)
(setq C1 0.2044436314497652)
(setq C2 0.0225489299393123)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;

```

```

;
;Desired Frequency           = 59000000.000000000000000000
;Desired Amplification       = 365013881.336681490000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873208.833799370300000000
;Computed Ac1
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8361780780655832
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -1.000000000000000000
;L1                           = 0.000577850000000000
;C1                           = 0.1975720701513962
;C2                           = 0.0217910371490510
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;R11                          = 61.6640193456665950
;
;

```

```

(setq count 59.0000000000000000)
(setq DesFreq 59000000.0000000000000000)
(setq DesAmp 365013881.3366814900000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873208.8337993703000000)
(setq CompAc1 0.4445000000000000)
(setq CheckAmp 1.8361780780655832)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1975720701513962)
(setq C2 0.0217910371490510)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency           = 60000000.000000000000000000
;Desired Amplification       = -438846603.418343600000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873211.979892641800000000
;Computed Ac1
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8361811619649286
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -1.000000000000000000
;L1                           = 0.000577850000000000
;C1                           = 0.1910412156102806
;C2                           = 0.0210707223099574
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;R11                          = 61.6640193456665950

```

```

;
;
(setq count 60.0000000000000000)
(setq DesFreq 60000000.0000000000000000)
(setq DesAmp -438846603.4183436000000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873211.9798926418000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361811619649286)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1910412156102806)
(setq C2 0.0210707223099574)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 61000000.0000000000000000
;Desired Amplification = 396938618.1328404500000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873214.9732851491000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361840961821936
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.1848289105608735
;C2 = 0.0203855416059787
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 61.0000000000000000)
(setq DesFreq 61000000.0000000000000000)
(setq DesAmp 396938618.1328404500000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873214.9732851491000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361840961821936)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1848289105608735)
(setq C2 0.0203855416059787)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 62000000.000000000000000000
;Desired Amplification       = -217877208.537438780000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873217.823179876000000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361868897384312
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.1789147700824688
;C2 = 0.0197332467002723
;C3 = 0.00000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

      (setq count 62.000000000000000000)
      (setq DesFreq 62000000.000000000000000000)
      (setq DesAmp -217877208.537438780000000000)
      (setq InitlAmp 1020167.300860491300000000)
      (setq Sec2Amp 1873217.823179876000000000)
      (setq CompAcl 0.444500000000000000)
      (setq CheckAmp 1.8361868897384312)
      (setq Signl -1.000000000000000000)
      (setq Sign2 -1.000000000000000000)
      (setq L1 0.000577850000000000)
      (setq C1 0.1789147700824688)
      (setq C2 0.0197332467002723)
      (setq C3 0.00000001057367829)
      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq Rl1 61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 63000000.000000000000000000
;Desired Amplification       = -46161254.008409962000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873220.537896150700000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361895507885087
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.1732800141589847
;C2 = 0.0191117662675351
;C3 = 0.00000001057367829

```

```

;Rd = 3022600.000000000000000000
;Rl = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 63.0000000000000000)
(setq DesFreq 63000000.0000000000000000)
(setq DesAmp -46161254.0084099620000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873220.5378961507000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361895507885087)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1732800141589847)
(setq C2 0.0191117662675351)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq Rl 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 64000000.0000000000000000
;Desired Amplification = 291695020.6267937400000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873223.1255801362000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361920873175497
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.1679073184074732
;C2 = 0.0185191895302360
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;Rl = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 64.0000000000000000)
(setq DesFreq 64000000.0000000000000000)
(setq DesAmp 291695020.6267937400000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873223.1255801362000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361920873175497)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1679073184074732)
(setq C2 0.0185191895302360)
(setq C3 0.0000001057367829)

```



```

(setq Rd 3022600.000000000000000000)
(setq Rl 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 65000000.000000000000000000
;Desired Amplification = -426695748.903445010000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873225.594443445300000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361945073748356
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.1627806807566888
;C2 = 0.0179537515540466
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;Rl = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 65.000000000000000000)
(setq DesFreq 65000000.000000000000000000)
(setq DesAmp -426695748.903445010000000000)
(setq InitlAmp 1020167.300860491300000000)
(setq Sec2Amp 1873225.594443445300000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8361945073748356)
(setq Signl -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.1627806807566888)
(setq C2 0.0179537515540466)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq Rl 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 66000000.000000000000000000
;Desired Amplification = 424104925.280471740000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873227.952377451600000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361968186957378
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000

```

```

;C1 = 0.1578853021572567
;C2 = 0.0174138200908739
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 66.0000000000000000)
(setq DesFreq 66000000.0000000000000000)
(setq DesAmp 424104925.2804717400000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873227.9523774516000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361968186957378)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1578853021572567)
(setq C2 0.0174138200908739)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 67000000.0000000000000000
;Desired Amplification = -325360786.3382676200000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873230.2063337530000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8361990280944309
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.1532074796607285
;C2 = 0.0168978837861098
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 67.0000000000000000)
(setq DesFreq 67000000.0000000000000000)
(setq DesAmp -325360786.3382676200000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873230.2063337530000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8361990280944309)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)

```

```

      (setq C1      0.1532074796607285)
      (setq C2      0.0168978837861098)
      (setq C3      0.0000001057367829)
      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 68000000.000000000000000000
;Desired Amplification      = 199615776.068938460000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873232.362061532900000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362011412064452
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.1487345104232289
;C2 = 0.0164045415907973
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

      (setq count      68.0000000000000000)
      (setq DesFreq 68000000.000000000000000000)
      (setq DesAmp 199615776.068938460000000000)
      (setq Init1Amp 1020167.300860491300000000)
      (setq Sec2Amp 1873232.362061532900000000)
      (setq CompAcl    0.444500000000000000)
      (setq CheckAmp   1.8362011412064452)
      (setq Sign1      -1.000000000000000000)
      (setq Sign2      -1.000000000000000000)
      (setq L1         0.000577850000000000)
      (setq C1         0.1487345104232289)
      (setq C2         0.0164045415907973)
      (setq C3         0.0000001057367829)
      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq R11     61.6640193456665950)
      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 69000000.000000000000000000
;Desired Amplification      = -98554331.865288600000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873234.424474016100000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362031628478774

```

```

;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -1.0000000000000000
;L1                              =      0.0005778500000000
;C1                              =      0.1444546053763936
;C2                              =      0.0159324932400434
;C3                              =      0.0000001057367829
;Rd                              =      3022600.0000000000000000
;R1                              =      444500000.0000000000000000
;R11                             =      61.6640193456665950
;
;

```

```

(setq count      69.0000000000000000)
(setq DesFreq 69000000.0000000000000000)
(setq DesAmp -98554331.8652886000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873234.4244740161000000)
(setq CompAcl      0.4445000000000000)
(setq CheckAmp      1.8362031628478774)
(setq Sign1      -1.0000000000000000)
(setq Sign2      -1.0000000000000000)
(setq L1      0.0005778500000000)
(setq C1      0.1444546053763936)
(setq C2      0.0159324932400434)
(setq C3      0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11      61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency              =      70000000.0000000000000000
;Desired Amplification          =      38761618.9548597930000000
;Initial Result 1 Amplitude     =      1020167.3008604913000000
;Secondary Result 2 Amplitude   =      1873236.3983588782000000
;Computed Acl                   =
;(Component Amplification Factor) =      0.4445000000000000
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           =      1.8362050977117574
;Sign 1 (sign of Result 1)     =      -1.0000000000000000
;Sign 2 (sign of Result 2)     =      -1.0000000000000000
;L1                              =      0.0005778500000000
;C1                              =      0.1403568114687776
;C2                              =      0.0154805306767034
;C3                              =      0.0000001057367829
;Rd                              =      3022600.0000000000000000
;R1                              =      444500000.0000000000000000
;R11                             =      61.6640193456665950
;
;

```

```

(setq count      70.0000000000000000)
(setq DesFreq 70000000.0000000000000000)
(setq DesAmp 38761618.9548597930000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873236.3983588782000000)
(setq CompAcl      0.4445000000000000)
(setq CheckAmp      1.8362050977117574)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1403568114687776)
(setq C2 0.0154805306767034)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 71000000.0000000000000000
;Desired Amplification = -11838997.9174751580000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873238.2888413137000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362069508219618
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 0.1364309415189467
;C2 = 0.0150475303145897
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 71.0000000000000000)
(setq DesFreq 71000000.0000000000000000)
(setq DesAmp -11838997.9174751580000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873238.2888413137000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362069508219618)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.1364309415189467)
(setq C2 0.0150475303145897)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 72000000.0000000000000000
;Desired Amplification = 2679243.2024569330000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873240.1012226944000000
;Computed Acl

```

```

; (Component Amplification Factor) = 0.444500000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362087273750618
; Sign 1 (sign of Result 1) = -1.000000000000000000
; Sign 2 (sign of Result 2) = -1.000000000000000000
; L1 = 0.000577850000000000
; C1 = 0.1326675108404726
; C2 = 0.0146324460485815
; C3 = 0.0000001057367829
; Rd = 3022600.000000000000000000
; R1 = 444500000.000000000000000000
; R11 = 61.6640193456665950
;
;

```

```

(setq count 72.0000000000000000)
(setq DesFreq 72000000.0000000000000000)
(setq DesAmp 2679243.202456933000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873240.101222694400000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362087273750618)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.1326675108404726)
(setq C2 0.0146324460485815)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

; Desired Frequency = 73000000.000000000000000000
; Desired Amplification = -411406.9179322617100000
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1873241.8403638809000000
; Computed Acl
; (Component Amplification Factor) = 0.444500000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362104321358250
; Sign 1 (sign of Result 1) = -1.000000000000000000
; Sign 2 (sign of Result 2) = -1.000000000000000000
; L1 = 0.000577850000000000
; C1 = 0.1290576799018597
; C2 = 0.0142343029303522
; C3 = 0.0000001057367829
; Rd = 3022600.000000000000000000
; R1 = 444500000.000000000000000000
; R11 = 61.6640193456665950
;
;

```

```

(setq count 73.0000000000000000)
(setq DesFreq 73000000.0000000000000000)
(setq DesAmp -411406.9179322617100000)
(setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873241.84036388090000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8362104321358250)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 0.1290576799018597)
(setq C2 0.0142343029303522)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 74000000.00000000000000000
;Desired Amplification = 35193.0589729512500000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873243.5101800512000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362120689420323
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000
;C1 = 0.1255932023734496
;C2 = 0.0138521914382481
;C3 = 0.0000001057367829
;Rd = 3022600.00000000000000000
;R1 = 444500000.00000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 74.00000000000000000)
(setq DesFreq 74000000.00000000000000000)
(setq DesAmp 35193.0589729512500000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873243.5101800512000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8362120689420323)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 0.1255932023734496)
(setq C2 0.0138521914382481)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 75000000.00000000000000000
;Desired Amplification = -741.3358974062440400

```

```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873245.1137135255000000
;Computed Acl                    =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362136407758607
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -0.9999999999999999
;L1                              = 0.0005778500000000
;C1                              = 0.1222663779905796
;C2                              = 0.0134852622783727
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 75.0000000000000000)
(setq DesFreq 75000000.0000000000000000)
(setq DesAmp -741.3358974062440400)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873245.1137135255000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362136407758607)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.1222663779905796)
(setq C2 0.0134852622783727)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency              = 76000000.0000000000000000
;Desired Amplification          = -30.3256410244280020
;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873246.6537407630000000
;Computed Acl                    =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362151503588833
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.1190700097293993
;C2                              = 0.0131327216613308
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 76.0000000000000000)

```



```

(setq DesFreq 76000000.000000000000000000)
(setq DesAmp -30.3256410244280020)
(setq InitlAmp 1020167.300860491300000000)
(setq Sec2Amp 1873246.653740763000000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362151503588833)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.1190700097293993)
(setq C2 0.0131327216613308)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq Rl 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 77000000.000000000000000000
;Desired Amplification = -3.1025641024400001
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873248.1333981298000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362166007654641
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.000577850000000000
;C1 = 0.1159973648502294
;C2 = 0.0127938270055400
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;Rl = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 77.0000000000000000)
(setq DesFreq 77000000.000000000000000000)
(setq DesAmp -3.1025641024400001)
(setq InitlAmp 1020167.300860491300000000)
(setq Sec2Amp 1873248.133398129800000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362166007654641)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.1159973648502294)
(setq C2 0.0127938270055400)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq Rl 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;

```

```

;
;Desired Frequency           = 78000000.000000000000000000
;Desired Amplification       = -0.5256410256200000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873249.5562928773000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362179955315445
;Sign 1 (sign of Result 1)   = -1.0000000000000000
;Sign 2 (sign of Result 2)   = -0.9999999999999999
;L1                           = 0.0005778500000000
;C1                           = 0.1130421394143672
;C2                           = 0.0124678830236434
;C3                           = 0.0000001057367829
;Rd                           = 3022600.0000000000000000
;R1                           = 444500000.0000000000000000
;R11                          = 61.6640193456665950
;
;

```

```

(setq count 78.0000000000000000)
(setq DesFreq 78000000.0000000000000000)
(setq DesAmp -0.5256410256200000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873249.5562928773000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362179955315445)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.1130421394143672)
(setq C2 0.0124678830236434)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency           = 79000000.000000000000000000
;Desired Amplification       = -0.0538461538440000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873250.9260169398000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362193381780509
;Sign 1 (sign of Result 1)   = -1.0000000000000000
;Sign 2 (sign of Result 2)   = -1.0000000000000000
;L1                           = 0.0005778500000000
;C1                           = 0.1101984259248534
;C2                           = 0.0121542381534765
;C3                           = 0.0000001057367829
;Rd                           = 3022600.0000000000000000
;R1                           = 444500000.0000000000000000
;R11                          = 61.6640193456665950

```

```

(setq DesFreq 76000000.000000000000000000)
(setq DesAmp -30.3256410244280020)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873246.6537407630000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362151503588833)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1190700097293993)
(setq C2 0.0131327216613308)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 77000000.0000000000000000
;Desired Amplification = -3.1025641024400001
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873248.1333981298000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362166007654641
;(Result 2/Result 1) = -1.0000000000000000
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.1159973648502294
;C2 = 0.0127938270055400
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 77.0000000000000000)
(setq DesFreq 77000000.0000000000000000)
(setq DesAmp -3.1025641024400001)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873248.1333981298000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362166007654641)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.1159973648502294)
(setq C2 0.0127938270055400)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;

```

```

;
;Desired Frequency = 78000000.000000000000000000
;Desired Amplification = -0.5256410256200000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873249.5562928773000000
;Computed Ac1
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362179955315445
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -0.999999999999999999
;L1 = 0.000577850000000000
;C1 = 0.1130421394143672
;C2 = 0.0124678830236434
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 78.000000000000000000)
(setq DesFreq 78000000.000000000000000000)
(setq DesAmp -0.5256410256200000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873249.5562928773000000)
(setq CompAc1 0.444500000000000000)
(setq CheckAmp 1.8362179955315445)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -0.999999999999999999)
(setq L1 0.000577850000000000)
(setq C1 0.1130421394143672)
(setq C2 0.0124678830236434)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 79000000.000000000000000000
;Desired Amplification = -0.0538461538440000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873250.9260169398000000
;Computed Ac1
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362193381780509
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.1101984259248534
;C2 = 0.0121542381534765
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950

```

```

;
;
(setq count      79.0000000000000000)
(setq DesFreq 79000000.0000000000000000)
(setq DesAmp     -0.0538461538440000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873250.9260169398000000)
(setq CompAc1    0.4445000000000000)
(setq CheckAmp   1.8362193381780509)
(setq Sign1      -1.0000000000000000)
(setq Sign2      -1.0000000000000000)
(setq L1         0.0005778500000000)
(setq C1         0.1101984259248534)
(setq C2         0.0121542381534765)
(setq C3         0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 80000000.0000000000000000
;Desired Amplification       = 0.0000000000000000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873252.2455049423000000
;Computed Ac1
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362206315815950
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 0.1074606837807828
;C2 = 0.0118522812993510
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count      80.0000000000000000)
(setq DesFreq 80000000.0000000000000000)
(setq DesAmp     0.0000000000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873252.2455049423000000)
(setq CompAc1    0.4445000000000000)
(setq CheckAmp   1.8362206315815950)
(setq Sign1      -1.0000000000000000)
(setq Sign2      -0.9999999999999999)
(setq L1         0.0005778500000000)
(setq C1         0.1074606837807828)
(setq C2         0.0118522812993510)
(setq C3         0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 81000000.000000000000000000
;Desired Amplification       = -0.0641025641000000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873253.5168135646000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362218777581989
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -1.000000000000000000
;L1                           = 0.000577850000000000
;C1                           = 0.1048237122690154
;C2                           = 0.0115614388532002
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;R11                          = 61.6640193456665950
;
;

```

```

      (setq count      81.000000000000000000)
      (setq DesFreq 81000000.000000000000000000)
      (setq DesAmp   -0.0641025641000000)
      (setq Init1Amp 1020167.3008604913000000)
      (setq Sec2Amp 1873253.5168135646000000)
      (setq CompAcl   0.444500000000000000)
      (setq CheckAmp  1.8362218777581989)
      (setq Sign1    -1.000000000000000000)
      (setq Sign2    -1.000000000000000000)
      (setq L1       0.000577850000000000)
      (setq C1       0.1048237122690154)
      (setq C2       0.0115614388532002)
      (setq C3       0.0000001057367829)
      (setq Rd       3022600.000000000000000000)
      (setq R1       444500000.000000000000000000)
      (setq R11      61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 82000000.000000000000000000
;Desired Amplification       = -0.0025641025640000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873254.7415278507000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362230782615723
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -0.999999999999999999
;L1                           = 0.000577850000000000
;C1                           = 0.1022826258472651
;C2                           = 0.0112811719684483
;C3                           = 0.0000001057367829

```

```

;Rd = 3022600.000000000000000000
;Rl = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 82.0000000000000000)
(setq DesFreq 82000000.0000000000000000)
(setq DesAmp -0.0025641025640000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873254.7415278507000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362230782615723)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq Ll 0.0005778500000000)
(setq C1 0.1022826258472651)
(setq C2 0.0112811719684483)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq Rl 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
Ll C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 83000000.0000000000000000
;Desired Amplification = 0.0461538461520000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873255.9214477378000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362242348560702
;(Result 2/Result 1) = -1.0000000000000000
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000002
;Ll = 0.0005778500000000
;C1 = 0.0998328314990579
;C2 = 0.0110109740623961
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;Rl = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 83.0000000000000000)
(setq DesFreq 83000000.0000000000000000)
(setq DesAmp 0.0461538461520000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873255.9214477378000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362242348560702)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000002)
(setq Ll 0.0005778500000000)
(setq C1 0.0998328314990579)
(setq C2 0.0110109740623961)
(setq C3 0.0000001057367829)

```

```

(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 84000000.000000000000000000
;Desired Amplification = 0.0384615384600000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873257.0589608271000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362253498820942
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0974700079644289
;C2 = 0.0107503685254885
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 84.000000000000000000)
(setq DesFreq 84000000.000000000000000000)
(setq DesAmp 0.0384615384600000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873257.0589608271000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362253498820942)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0974700079644289)
(setq C2 0.0107503685254885)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 85000000.000000000000000000
;Desired Amplification = 0.0358974358960000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873258.1567824867000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362264260013332
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000

```



```

;C1 = 0.0951900866708665
;C2 = 0.0104989066181103
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 85.0000000000000000)
(setq DesFreq 85000000.0000000000000000)
(setq DesAmp 0.0358974358960000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873258.1567824867000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362264260013332)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0951900866708665)
(setq C2 0.0104989066181103)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency = 86000000.0000000000000000
;Desired Amplification = -0.0230769230760000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873259.2172999664000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362274655538446
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 0.0929892342072756
;C2 = 0.0102561655375672
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 86.0000000000000000)
(setq DesFreq 86000000.0000000000000000)
(setq DesAmp -0.0230769230760000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873259.2172999664000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362274655538446)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)

```

```

(setq C1      0.0929892342072756)
(setq C2      0.0102561655375672)
(setq C3      0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11     61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 87000000.0000000000000000
;Desired Amplification      = -0.0538461538440000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873260.2421047627000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362284700996632
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0908638361998956
;C2 = 0.0100217466396944
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count      87.0000000000000000)
(setq DesFreq 87000000.0000000000000000)
(setq DesAmp -0.0538461538440000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873260.2421047627000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362284700996632)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0908638361998956)
(setq C2 0.0100217466396944)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 88000000.0000000000000000
;Desired Amplification      = 0.0000000000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873261.2321313098000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362294405547506

```

```

;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0888104824634569
;C2                              = 0.0097952738011166
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

(setq count      88.0000000000000000)
(setq DesFreq 88000000.0000000000000000)
(setq DesAmp      0.0000000000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873261.2321313098000000)
(setq CompAcl      0.4445000000000000)
(setq CheckAmp    1.8362294405547506)
(setq Sign1      -1.0000000000000000)
(setq Sign2     -1.0000000000000000)
(setq L1         0.0005778500000000)
(setq C1         0.0888104824634569)
(setq C2         0.0097952738011166)
(setq C3         0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency              = 89000000.0000000000000000
;Desired Amplification          = 0.0282051282040000
;Initial Result 1 Amplitude     = 1020167.3008604913000000
;Secondary Result 2 Amplitude   = 1873262.1882863971000000
;Computed Acl                   =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           = 1.8362303778079703
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0868259533135980
;C2                              = 0.0095763919095880
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

(setq count      89.0000000000000000)
(setq DesFreq 89000000.0000000000000000)
(setq DesAmp      0.0282051282040000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873262.1882863971000000)
(setq CompAcl      0.4445000000000000)
(setq CheckAmp    1.8362303778079703)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0868259533135980)
(setq C2 0.0095763919095880)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 90000000.0000000000000000
;Desired Amplification = 0.0282051282040000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873263.1120216961000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362312832822960
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0849072069379025
;C2 = 0.0093647654710922
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 90.0000000000000000)
(setq DesFreq 90000000.0000000000000000)
(setq DesAmp 0.0282051282040000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873263.1120216961000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362312832822960)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0849072069379025)
(setq C2 0.0093647654710922)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 91000000.0000000000000000
;Desired Amplification = -0.0051282051280000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873264.0053513513000000
;Computed Acl

```

```

; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362321589520558
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.0005778500000000
; C1 = 0.0830513677330045
; C2 = 0.0091600773234931
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;
; (setq count 91.0000000000000000)
; (setq DesFreq 91000000.0000000000000000)
; (setq DesAmp -0.0051282051280000)
; (setq Init1Amp 1020167.3008604913000000)
; (setq Sec2Amp 1873264.0053513513000000)
; (setq CompAcl 0.4445000000000000)
; (setq CheckAmp 1.8362321589520558)
; (setq Sign1 -1.0000000000000000)
; (setq Sign2 -1.0000000000000000)
; (setq L1 0.0005778500000000)
; (setq C1 0.0830513677330045)
; (setq C2 0.0091600773234931)
; (setq C3 0.0000001057367829)
; (setq Rd 3022600.0000000000000000)
; (setq R1 444500000.0000000000000000)
; (setq R11 61.6640193456665950)
; (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
; Desired Frequency = 92000000.0000000000000000
; Desired Amplification = -0.0282051282040000
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1873264.8703041568000000
; Computed Acl
; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362330068059369
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.0005778500000000
; C1 = 0.0812557155242214
; C2 = 0.0089620274475244
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;
; (setq count 92.0000000000000000)
; (setq DesFreq 92000000.0000000000000000)
; (setq DesAmp -0.0282051282040000)
; (setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873264.870304156800000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362330068059369)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0812557155242214)
(setq C2 0.0089620274475244)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 93000000.000000000000000000
;Desired Amplification = 0.0230769230760000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873265.7082966233000000
;Computed Acl =
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired =
;(Result 2/Result 1) = 1.8362338282324480
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0795176755922084
;C2 = 0.0087703318667877
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 93.000000000000000000)
(setq DesFreq 93000000.000000000000000000)
(setq DesAmp 0.0230769230760000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873265.7082966233000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362338282324480)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0795176755922084)
(setq C2 0.0087703318667877)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 94000000.000000000000000000
;Desired Amplification = 0.0384615384600000

```

```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873266.5199824751000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362346238723897
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0778348094383216
;C2                              = 0.0085847216292266
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;
  (setq count 94.0000000000000000)
  (setq DesFreq 94000000.0000000000000000)
  (setq DesAmp 0.0384615384600000)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1873266.5199824751000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8362346238723897)
  (setq Sign1 -1.0000000000000000)
  (setq Sign2 -1.0000000000000000)
  (setq L1 0.0005778500000000)
  (setq C1 0.0778348094383216)
  (setq C2 0.0085847216292266)
  (setq C3 0.0000001057367829)
  (setq Rd 3022600.0000000000000000)
  (setq R1 444500000.0000000000000000)
  (setq Rl1 61.6640193456665950)
  (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency      = 95000000.0000000000000000
;Desired Amplification  = 0.0000000000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873267.3057148571000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362353940719258
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0762048062268155
;C2                              = 0.0084049418632517
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;
  (setq count 95.0000000000000000)

```

```

(setq DesFreq 95000000.000000000000000000)
(setq DesAmp 0.000000000000000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873267.3057148571000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362353940719258)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0762048062268155)
(setq C2 0.0084049418632517)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 96000000.000000000000000000
;Desired Amplification = -0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873268.0662184709000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362361395414319
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -0.999999999999999999
;L1 = 0.000577850000000000
;C1 = 0.0746254748477659
;C2 = 0.0082307509023271
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 96.000000000000000000)
(setq DesFreq 96000000.000000000000000000)
(setq DesAmp -0.0179487179480000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873268.0662184709000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362361395414319)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -0.999999999999999999)
(setq L1 0.000577850000000000)
(setq C1 0.0746254748477659)
(setq C2 0.0082307509023271)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```



```

;
;Desired Frequency           = 97000000.000000000000000000
;Desired Amplification       = -0.0538461538440000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873268.8028840101000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362368616441092
;Sign 1 (sign of Result 1)   = -1.0000000000000000
;Sign 2 (sign of Result 2)   = -1.0000000000000000
;L1                           = 0.0005778500000000
;C1                           = 0.0730947365497938
;C2                           = 0.0080619194724037
;C3                           = 0.0000001057367829
;Rd                           = 3022600.0000000000000000
;R1                           = 444500000.0000000000000000
;Rl1                          = 61.6640193456665950
;
;

```

```

(setq count 97.0000000000000000)
(setq DesFreq 97000000.0000000000000000)
(setq DesAmp -0.0538461538440000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873268.8028840101000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362368616441092)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0730947365497938)
(setq C2 0.0080619194724037)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency           = 98000000.000000000000000000
;Desired Amplification       = -0.0307692307680000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873269.5174291248000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362375620636522
;Sign 1 (sign of Result 1)   = -1.0000000000000000
;Sign 2 (sign of Result 2)   = -1.0000000000000000
;L1                           = 0.0005778500000000
;C1                           = 0.0716106180963151
;C2                           = 0.0078982299370936
;C3                           = 0.0000001057367829
;Rd                           = 3022600.0000000000000000
;R1                           = 444500000.0000000000000000
;Rl1                          = 61.6640193456665950

```

```

;
;
(setq count 98.0000000000000000)
(setq DesFreq 98000000.0000000000000000)
(setq DesAmp -0.0307692307680000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873269.5174291248000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362375620636522)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0716106180963151)
(setq C2 0.0078982299370936)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 99000000.0000000000000000
;Desired Amplification = 0.0538461538440000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873270.2112269662000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362382421460670
;(Result 2/Result 1) = -1.0000000000000000
;Sign 1 (sign of Result 1) = -0.9999999999999999
;Sign 2 (sign of Result 2) = 0.0005778500000000
;L1 = 0.0701712454032252
;C1 = 0.0077394755959440
;C2 = 0.0000001057367829
;C3 = 3022600.0000000000000000
;Rd = 444500000.0000000000000000
;R1 = 61.6640193456665950
;R11 =
;
;

```

```

(setq count 99.0000000000000000)
(setq DesFreq 99000000.0000000000000000)
(setq DesAmp 0.0538461538440000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873270.2112269662000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362382421460670)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0701712454032252)
(setq C2 0.0077394755959440)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
```

```
;
;
;Desired Frequency      = 100000000.000000000000000000
;Desired Amplification  = 0.0282051282040000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873270.8848954425000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362389024970462
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0687748376197010
;C2 = 0.0075854600315847
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
```

```
(setq count 100.0000000000000000)
(setq DesFreq 100000000.000000000000000000)
(setq DesAmp 0.0282051282040000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873270.8848954425000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362389024970462)
(setq Signl -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0687748376197010)
(setq C2 0.0075854600315847)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
```

```
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
```

```
;
;
;Desired Frequency      = 101000000.000000000000000000
;Desired Amplification  = -0.0256410256400000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873271.5385108870000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362395431914147
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0674197016171954
;C2 = 0.0074359965018965
;C3 = 0.0000001057367829
```

```

;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 101.0000000000000000)
(setq DesFreq 101000000.0000000000000000)
(setq DesAmp -0.0256410256400000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873271.5385108870000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362395431914147)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0674197016171954)
(setq C2 0.0074359965018965)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 102000000.0000000000000000
;Desired Amplification = -0.0102564102560000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873272.1722606064000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362401644127762
;(Result 2/Result 1) = -1.0000000000000000
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0661042268547684
;C2 = 0.0072909073736877
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 102.0000000000000000)
(setq DesFreq 102000000.0000000000000000)
(setq DesAmp -0.0102564102560000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873272.1722606064000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362401644127762)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0661042268547684)
(setq C2 0.0072909073736877)
(setq C3 0.0000001057367829)

```

```

    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq Rl1 61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 103000000.000000000000000000
;Desired Amplification = -0.0153846153840000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873272.7869626984000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362407669630554
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0648268805916684
;C2 = 0.0071500235946693
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

    (setq count 103.000000000000000000)
    (setq DesFreq 103000000.000000000000000000)
    (setq DesAmp -0.0153846153840000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873272.7869626984000000)
    (setq CompAcl 0.444500000000000000)
    (setq CheckAmp 1.8362407669630554)
    (setq Sign1 -1.000000000000000000)
    (setq Sign2 -1.000000000000000000)
    (setq L1 0.000577850000000000)
    (setq C1 0.0648268805916684)
    (setq C2 0.0071500235946693)
    (setq C3 0.0000001057367829)
    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq Rl1 61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 104000000.000000000000000000
;Desired Amplification = 0.0051282051280000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873273.3839980927000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362413521958831
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000

```

```

;C1 = 0.0635862034205816
;C2 = 0.0070131842007994
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 104.0000000000000000)
(setq DesFreq 104000000.0000000000000000)
(setq DesAmp 0.0051282051280000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873273.3839980927000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362413521958831)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0635862034205816)
(setq C2 0.0070131842007994)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 105000000.0000000000000000
;Desired Amplification = 0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873273.9647164722000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362419214342609
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0623808050972345
;C2 = 0.0068802358563126
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 105.0000000000000000)
(setq DesFreq 105000000.0000000000000000)
(setq DesAmp 0.0179487179480000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873273.9647164722000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362419214342609)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)

```

```

(setq C1      0.0623808050972345)
(setq C2      0.0068802358563126)
(setq C3      0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11     61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           =          106000000.0000000000000000
;Desired Amplification       =                -0.0487179487160000
;Initial Result 1 Amplitude  =          1020167.3008604913000000
;Secondary Result 2 Amplitude =          1873274.5298402496000000
;Computed Acl
;(Component Amplification Factor) =          0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)        =          1.8362424753863205
;Sign 1 (sign of Result 1)   =          -1.0000000000000000
;Sign 2 (sign of Result 2)   =          -1.0000000000000000
;L1                           =          0.0005778500000000
;C1                           =          0.0612093606440913
;C2                           =          0.0067510324239807
;C3                           =          0.0000001057367829
;Rd                           =          3022600.0000000000000000
;R1                           =          444500000.0000000000000000
;R11                          =          61.6640193456665950
;
;

```

```

(setq count 106.0000000000000000)
(setq DesFreq 106000000.0000000000000000)
(setq DesAmp -0.0487179487160000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873274.5298402496000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362424753863205)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0612093606440913)
(setq C2 0.0067510324239807)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           =          107000000.0000000000000000
;Desired Amplification       =                -0.0743589743560000
;Initial Result 1 Amplitude  =          1020167.3008604913000000
;Secondary Result 2 Amplitude =          1873275.0793923396000000
;Computed Acl
;(Component Amplification Factor) =          0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)        =          1.8362430140745234

```

```

;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -1.0000000000000000
;L1                              =      0.0005778500000000
;C1                              =      0.0600706067077483
;C2                              =      0.0066254345633546
;C3                              =      0.0000001057367829
;Rd                              =      3022600.0000000000000000
;R1                              =      444500000.0000000000000000
;R11                             =      61.6640193456665950
;
;
  (setq count 107.0000000000000000)
  (setq DesFreq 107000000.0000000000000000)
  (setq DesAmp -0.0743589743560000)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1873275.0793923396000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8362430140745234)
  (setq Sign1 -1.0000000000000000)
  (setq Sign2 -1.0000000000000000)
  (setq L1 0.0005778500000000)
  (setq C1 0.0600706067077483)
  (setq C2 0.0066254345633546)
  (setq C3 0.0000001057367829)
  (setq Rd 3022600.0000000000000000)
  (setq R1 444500000.0000000000000000)
  (setq R11 61.6640193456665950)
  (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency              =      108000000.0000000000000000
;Desired Amplification          =      -0.0384615384600000
;Initial Result 1 Amplitude     =      1020167.3008604913000000
;Secondary Result 2 Amplitude   =      1873275.6132128048000000
;Computed Acl                   =
;(Component Amplification Factor) =      0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)           =      1.8362435373420940
;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -1.0000000000000000
;L1                              =      0.0005778500000000
;C1                              =      0.0589633381513212
;C2                              =      0.0065033093549251
;C3                              =      0.0000001057367829
;Rd                              =      3022600.0000000000000000
;R1                              =      444500000.0000000000000000
;R11                             =      61.6640193456665950
;
;
  (setq count 108.0000000000000000)
  (setq DesFreq 108000000.0000000000000000)
  (setq DesAmp -0.0384615384600000)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1873275.6132128048000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8362435373420940)

```



```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0589633381513212)
(setq C2 0.0065033093549251)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 109000000.0000000000000000
;Desired Amplification = -0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873276.1316115202000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362440454927818
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0578864048646587
;C2 = 0.0063845299483079
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 109.0000000000000000)
(setq DesFreq 109000000.0000000000000000)
(setq DesAmp -0.0179487179480000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873276.1316115202000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362440454927818)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0578864048646587)
(setq C2 0.0063845299483079)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 110000000.0000000000000000
;Desired Amplification = -0.1487179487120000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873276.6355843123000000
;Computed Acl

```

```

; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362445395027265
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -0.9999999999999999
; L1 = 0.0005778500000000
; C1 = 0.0568387087766124
; C2 = 0.0062689752327146
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;
(setq count 110.0000000000000000)
(setq DesFreq 110000000.0000000000000000)
(setq DesAmp -0.1487179487120000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873276.6355843123000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362445395027265)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0568387087766124)
(setq C2 0.0062689752327146)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
; Desired Frequency = 111000000.0000000000000000
; Desired Amplification = -1.1820512820040001
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1873277.1264037986000000
; Computed Acl
; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362450206193883
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.0005778500000000
; C1 = 0.0558192010548665
; C2 = 0.0061565295281103
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;
(setq count 111.0000000000000000)
(setq DesFreq 111000000.0000000000000000)
(setq DesAmp -1.1820512820040001)
(setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873277.1264037986000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362450206193883)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0558192010548665)
(setq C2 0.0061565295281103)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 112000000.0000000000000000
;Desired Amplification = -9.1076923073280014
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873277.6049458962000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362454897013687
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 0.0548268794799912
;C2 = 0.0060470822955873
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 112.0000000000000000)
(setq DesFreq 112000000.0000000000000000)
(setq DesAmp -9.1076923073280014)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873277.6049458962000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362454897013687)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0548268794799912)
(setq C2 0.0060470822955873)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 113000000.0000000000000000
;Desired Amplification = -127.6512820461760100

```

```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873278.0713453309000000
;Computed Acl                    =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362459468807297
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0538607859814402
;C2                              = 0.0059405278656000
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

(setq count 113.0000000000000000)
(setq DesFreq 113000000.0000000000000000)
(setq DesAmp -127.6512820461760100)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873278.0713453309000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362459468807297)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0538607859814402)
(setq C2 0.0059405278656000)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency      = 114000000.0000000000000000
;Desired Amplification  = -12912.7589738424630000
;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873278.5252841245000000
;Computed Acl              =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)        = 1.8362463918457792
;Sign 1 (sign of Result 1)   = -1.0000000000000000
;Sign 2 (sign of Result 2)   = -0.9999999999999999
;L1                           = 0.0005778500000000
;C1                           = 0.0529200043241775
;C2                           = 0.0058367651828137
;C3                           = 0.0000001057367829
;Rd                           = 3022600.0000000000000000
;R1                           = 444500000.0000000000000000
;Rl1                          = 61.6640193456665950
;
;

```

```

(setq count 114.0000000000000000)

```

```

(setq DesFreq 114000000.000000000000000000)
(setq DesAmp -12912.7589738424630000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873278.5252841245000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362463918457792)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0529200043241775)
(setq C2 0.0058367651828137)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 115000000.0000000000000000
;Desired Amplification = 242660.4512723448900000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873278.9666603617000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362468244966168
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0520036579355017
;C2 = 0.0057356975664156
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 115.0000000000000000)
(setq DesFreq 115000000.0000000000000000)
(setq DesAmp 242660.4512723448900000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873278.9666603617000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362468244966168)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0520036579355017)
(setq C2 0.0057356975664156)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```

```

;
;Desired Frequency           = 116000000.000000000000000000
;Desired Amplification       = -2033353.140944307000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873279.396050104600000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362472453979166
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -1.000000000000000000
;L1                           = 0.000577850000000000
;C1                           = 0.0511109078624413
;C2                           = 0.0056372324848281
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;Rl1                          = 61.6640193456665950
;
;

```

```

(setq count 116.0000000000000000)
(setq DesFreq 116000000.000000000000000000)
(setq DesAmp -2033353.140944307000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873279.396050104600000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362472453979166)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0511109078624413)
(setq C2 0.0056372324848281)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency           = 117000000.000000000000000000
;Desired Amplification       = 10726083.853417112000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873279.814557153000000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362476556316576
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -0.999999999999999999
;L1                           = 0.000577850000000000
;C1                           = 0.0502409508508299
;C2                           = 0.0055412813438415
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;Rl1                          = 61.6640193456665950

```

```

;
;
(setq count 117.0000000000000000)
(setq DesFreq 117000000.0000000000000000)
(setq DesAmp 10726083.8534171120000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873279.8145571530000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362476556316576)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0502409508508299)
(setq C2 0.0055412813438415)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 118000000.0000000000000000
;Desired Amplification = -40430340.898382790000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873280.2231835804000000
;Computed Acl =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362480561801040
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0493930175378490
;C2 = 0.0054477592872628
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 118.0000000000000000)
(setq DesFreq 118000000.0000000000000000)
(setq DesAmp -40430340.8983827900000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873280.2231835804000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362480561801040)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0493930175378490)
(setq C2 0.0054477592872628)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           =          119000000.000000000000000000
;Desired Amplification       =          116022243.667153980000000000
;Initial Result 1 Amplitude  =          1020167.300860491300000000
;Secondary Result 2 Amplitude =          1873280.622275310100000000
;Computed Acl
;(Component Amplification Factor) =          0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) =          1.8362484473823406
;Sign 1 (sign of Result 1) =          -1.000000000000000000
;Sign 2 (sign of Result 2) =          -1.000000000000000000
;L1 =          0.000577850000000000
;C1 =          0.0485663707504421
;C2 =          0.0053565850092399
;C3 =          0.0000001057367829
;Rd =          3022600.000000000000000000
;R1 =          444500000.000000000000000000
;Rl1 =          61.6640193456665950
;
;

```

```

      (setq count 119.000000000000000000)
      (setq DesFreq 119000000.000000000000000000)
      (setq DesAmp 116022243.667153980000000000)
      (setq InitlAmp 1020167.300860491300000000)
      (setq Sec2Amp 1873280.622275310100000000)
      (setq CompAcl 0.444500000000000000)
      (setq CheckAmp 1.8362484473823406)
      (setq Signl -1.000000000000000000)
      (setq Sign2 -1.000000000000000000)
      (setq L1 0.000577850000000000)
      (setq C1 0.0485663707504421)
      (setq C2 0.0053565850092399)
      (setq C3 0.0000001057367829)
      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq Rl1 61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           =          120000000.000000000000000000
;Desired Amplification       =          -262457060.712578650000000000
;Initial Result 1 Amplitude  =          1020167.300860491300000000
;Secondary Result 2 Amplitude =          1873281.011530974200000000
;Computed Acl
;(Component Amplification Factor) =          0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) =          1.8362488289429568
;Sign 1 (sign of Result 1) =          -1.000000000000000000
;Sign 2 (sign of Result 2) =          -0.999999999999999999
;L1 =          0.000577850000000000
;C1 =          0.0477603039025701
;C2 =          0.0052676805774894
;C3 =          0.0000001057367829

```



```

;Rd = 3022600.000000000000000000
;Rl = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 120.0000000000000000)
(setq DesFreq 120000000.0000000000000000)
(setq DesAmp -262457060.7125786500000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873281.0115309742000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362488289429568)
(setq Signl -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0477603039025701)
(setq C2 0.0052676805774894)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq Rl 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd Rl Rl1)
;
;
;Desired Frequency = 121000000.0000000000000000
;Desired Amplification = 476245430.6142835600000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873281.3905669525000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362492004859166
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0469741394848036
;C2 = 0.0051809712667063
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;Rl = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 121.0000000000000000)
(setq DesFreq 121000000.0000000000000000)
(setq DesAmp 476245430.6142835600000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873281.3905669525000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362492004859166)
(setq Signl -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0469741394848036)
(setq C2 0.0051809712667063)
(setq C3 0.0000001057367829)

```

```

    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq R11 61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 122000000.000000000000000000
;Desired Amplification = -694932929.059382200000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873281.759542375100000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362495621672037
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0462072276402184
;C2 = 0.0050963854014947
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

    (setq count 122.000000000000000000)
    (setq DesFreq 122000000.000000000000000000)
    (setq DesAmp -694932929.059382200000000000)
    (setq Init1Amp 1020167.300860491300000000)
    (setq Sec2Amp 1873281.759542375100000000)
    (setq CompAcl 0.444500000000000000)
    (setq CheckAmp 1.8362495621672037)
    (setq Sign1 -1.000000000000000000)
    (setq Sign2 -1.000000000000000000)
    (setq L1 0.000577850000000000)
    (setq C1 0.0462072276402184)
    (setq C2 0.0050963854014947)
    (setq C3 0.0000001057367829)
    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq R11 61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 123000000.000000000000000000
;Desired Amplification = 800875135.211554770000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873282.119295124200000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362499148081370
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000

```

```

;C1 = 0.0454589448210067
;C2 = 0.0050138542081993
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 123.0000000000000000)
(setq DesFreq 123000000.0000000000000000)
(setq DesAmp 800875135.2115547700000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873282.1192951242000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362499148081370)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0454589448210067)
(setq C2 0.0050138542081993)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 124000000.0000000000000000
;Desired Amplification = -682288767.4060418600000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873282.4708698101000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362502594326762
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0005778500000000
;C1 = 0.0447286925206172
;C2 = 0.0049333116750681
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 124.0000000000000000)
(setq DesFreq 124000000.0000000000000000)
(setq DesAmp -682288767.4060418600000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873282.4708698101000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362502594326762)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)

```

```

    (setq C1      0.0447286925206172)
    (setq C2      0.0049333116750681)
    (setq C3      0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1     61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           =          125000000.0000000000000000
;Desired Amplification       =          321162276.2461279000000000
;Initial Result 1 Amplitude  =          1020167.3008604913000000
;Secondary Result 2 Amplitude =          1873282.8148533276000000
;Computed Acl
;(Component Amplification Factor) =          0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         =          1.8362505966161138
;Sign 1 (sign of Result 1)   =          -1.0000000000000000
;Sign 2 (sign of Result 2)   =          -1.0000000000000000
;L1                           =          0.0005778500000000
;C1                           =          0.0440158960766087
;C2                           =          0.0048546944202142
;C3                           =          0.0000001057367829
;Rd                           =          3022600.0000000000000000
;R1                           =          444500000.0000000000000000
;Rl1                          =          61.6640193456665950
;
;

```

```

    (setq count 125.0000000000000000)
    (setq DesFreq 125000000.0000000000000000)
    (setq DesAmp 321162276.2461279000000000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873282.8148533276000000)
    (setq CompAcl 0.4445000000000000)
    (setq CheckAmp 1.8362505966161138)
    (setq Sign1 -1.0000000000000000)
    (setq Sign2 -1.0000000000000000)
    (setq L1 0.0005778500000000)
    (setq C1 0.0440158960766087)
    (setq C2 0.0048546944202142)
    (setq C3 0.0000001057367829)
    (setq Rd 3022600.0000000000000000)
    (setq R1 444500000.0000000000000000)
    (setq Rl1 61.6640193456665950)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           =          126000000.0000000000000000
;Desired Amplification       =          166548411.1959021700000000
;Initial Result 1 Amplitude  =          1020167.3008604913000000
;Secondary Result 2 Amplitude =          1873283.1511027613000000
;Computed Acl
;(Component Amplification Factor) =          0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         =          1.8362509262183599

```

```

;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0433200035397462
;C2                              = 0.0047779415668838
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 126.0000000000000000)
(setq DesFreq 126000000.0000000000000000)
(setq DesAmp 166548411.1959021700000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873283.1511027613000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362509262183599)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0433200035397462)
(setq C2 0.0047779415668838)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency              = 127000000.0000000000000000
;Desired Amplification          = -587724710.9021320300000000
;Initial Result 1 Amplitude     = 1020167.3008604913000000
;Secondary Result 2 Amplitude   = 1873283.4791053720000000
;Computed Acl                   =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)           = 1.8362512477368114
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0426404846051838
;C2                              = 0.0047029946255717
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;R11                             = 61.6640193456665950
;
;

```

```

(setq count 127.0000000000000000)
(setq DesFreq 127000000.0000000000000000)
(setq DesAmp -587724710.9021320300000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873283.4791053720000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362512477368114)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0426404846051838)
(setq C2 0.0047029946255717)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 128000000.0000000000000000
;Desired Amplification = 790302154.4863367100000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873283.7986545858000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362515609689778
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0419768296018683
;C2 = 0.0046297973825590
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 128.0000000000000000)
(setq DesFreq 128000000.0000000000000000)
(setq DesAmp 790302154.4863367100000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873283.7986545858000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362515609689778)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0419768296018683)
(setq C2 0.0046297973825590)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 129000000.0000000000000000
;Desired Amplification = -748450299.9033953000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873284.1102479945000000
;Computed Acl

```

```

; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362518664026144
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.0005778500000000
; C1 = 0.0413285485365669
; C2 = 0.0045582957944743
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;
  (setq count 129.0000000000000000)
  (setq DesFreq 129000000.0000000000000000)
  (setq DesAmp -748450299.903395300000000000)
  (setq Init1Amp 1020167.300860491300000000)
  (setq Sec2Amp 1873284.110247994500000000)
  (setq CompAcl 0.444500000000000000)
  (setq CheckAmp 1.8362518664026144)
  (setq Sign1 -1.000000000000000000)
  (setq Sign2 -1.000000000000000000)
  (setq L1 0.000577850000000000)
  (setq C1 0.0413285485365669)
  (setq C2 0.0045582957944743)
  (setq C3 0.0000001057367829)
  (setq Rd 3022600.0000000000000000)
  (setq R1 444500000.0000000000000000)
  (setq R11 61.6640193456665950)
  (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
; Desired Frequency = 130000000.0000000000000000
; Desired Amplification = 552251737.7727817300000000
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1873284.4148578115000000
; Computed Acl
; (Component Amplification Factor) = 0.4445000000000000
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8362521649907153
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.000577850000000000
; C1 = 0.0406951701891722
; C2 = 0.0044884378885116
; C3 = 0.0000001057367829
; Rd = 3022600.0000000000000000
; R1 = 444500000.0000000000000000
; R11 = 61.6640193456665950
;
;
  (setq count 130.0000000000000000)
  (setq DesFreq 130000000.0000000000000000)
  (setq DesAmp 552251737.7727817300000000)
  (setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873284.41485781150000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8362521649907153)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 0.0406951701891722)
(setq C2 0.0044884378885116)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 131000000.00000000000000000
;Desired Amplification = -326689921.06385547000000000
;Initial Result 1 Amplitude = 1020167.30086049130000000
;Secondary Result 2 Amplitude = 1873284.71327600210000000
;Computed Acl
;(Component Amplification Factor) = 0.44450000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362524575095898
;Sign 1 (sign of Result 1) = -1.00000000000000000
;Sign 2 (sign of Result 2) = -1.00000000000000000
;L1 = 0.00057785000000000
;C1 = 0.0400762412561628
;C2 = 0.0044201736679591
;C3 = 0.0000001057367829
;Rd = 3022600.00000000000000000
;R1 = 444500000.00000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 131.00000000000000000)
(setq DesFreq 131000000.00000000000000000)
(setq DesAmp -326689921.06385547000000000)
(setq InitlAmp 1020167.30086049130000000)
(setq Sec2Amp 1873284.71327600210000000)
(setq CompAcl 0.44450000000000000)
(setq CheckAmp 1.8362524575095898)
(setq Sign1 -1.00000000000000000)
(setq Sign2 -1.00000000000000000)
(setq L1 0.00057785000000000)
(setq C1 0.0400762412561628)
(setq C2 0.0044201736679591)
(setq C3 0.0000001057367829)
(setq Rd 3022600.00000000000000000)
(setq R1 444500000.00000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 132000000.00000000000000000
;Desired Amplification = 155413899.71942449000000000

```



```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873285.0056103067000000
;Computed Ac1
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362527440648484
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0394713255393142
;C2                              = 0.0043534550227185
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

(setq count 132.0000000000000000)
(setq DesFreq 132000000.0000000000000000)
(setq DesAmp 155413899.7194244900000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873285.0056103067000000)
(setq CompAc1 0.4445000000000000)
(setq CheckAmp 1.8362527440648484)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0394713255393142)
(setq C2 0.0043534550227185)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency      = 133000000.0000000000000000
;Desired Amplification  = -58711967.5643181880000000
;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873285.2913746422000000
;Computed Ac1
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362530241800168
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0388800031769467
;C2                              = 0.0042882356445162
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

(setq count 133.0000000000000000)

```

```

(setq DesFreq 133000000.000000000000000000)
(setq DesAmp -58711967.564318188000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873285.291374642200000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362530241800168)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0388800031769467)
(setq C2 0.0042882356445162)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 134000000.000000000000000000
;Desired Amplification = 17119948.701879304000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873285.570094731900000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362532973901946
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0383018699151821
;C2 = 0.0042244709465274
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 134.000000000000000000)
(setq DesFreq 134000000.000000000000000000)
(setq DesAmp 17119948.701879304000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873285.570094731900000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362532973901946)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0383018699151821)
(setq C2 0.0042244709465274)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```

```

;
;Desired Frequency           = 135000000.000000000000000000
;Desired Amplification       = -3658175.766520340000000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873285.841896722100000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362535638190343
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -1.000000000000000000
;L1                           = 0.000577850000000000
;C1                           = 0.0377365364168456
;C2                           = 0.0041621179871521
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;R11                          = 61.6640193456665950
;
;

```

```

(setq count 135.000000000000000000)
(setq DesFreq 135000000.000000000000000000)
(setq DesAmp -3658175.766520340000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873285.841896722100000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362535638190343)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0377365364168456)
(setq C2 0.0041621179871521)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency           = 136000000.000000000000000000
;Desired Amplification       = 518813.141004888520000000
;Initial Result 1 Amplitude  = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873286.107561497000000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8362538242319830
;Sign 1 (sign of Result 1)   = -1.000000000000000000
;Sign 2 (sign of Result 2)   = -1.000000000000000000
;L1                           = 0.000577850000000000
;C1                           = 0.0371836276058072
;C2                           = 0.0041011353976993
;C3                           = 0.0000001057367829
;Rd                           = 3022600.000000000000000000
;R1                           = 444500000.000000000000000000
;R11                          = 61.6640193456665950

```

```

;
;
(setq count 136.0000000000000000)
(setq DesFreq 136000000.0000000000000000)
(setq DesAmp 518813.1410048885200000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873286.1075614970000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362538242319830)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0371836276058072)
(setq C2 0.0041011353976993)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 137000000.0000000000000000
;Desired Amplification = -38642.5999984542940000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873286.3679972121000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362540795192430
;(Result 2/Result 1) = -1.0000000000000000
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0366427820447019
;C2 = 0.0040414833137539
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 137.0000000000000000)
(setq DesFreq 137000000.0000000000000000)
(setq DesAmp -38642.5999984542940000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873286.3679972121000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362540795192430)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0366427820447019)
(setq C2 0.0040414833137539)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
```

```
;
;
;Desired Frequency = 138000000.000000000000000000
;Desired Amplification = 405.7102563940280200
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873286.6235941260000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362543300633585
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0361136513440984
;C2 = 0.0039831233100109
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
```

```
(setq count 138.0000000000000000)
(setq DesFreq 138000000.000000000000000000)
(setq DesAmp 405.7102563940280200)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873286.6235941260000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362543300633585)
(setq Signl -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0361136513440984)
(setq C2 0.0039831233100109)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
```

```
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
```

```
;
;
;Desired Frequency = 139000000.000000000000000000
;Desired Amplification = 20.7051282042999990
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873286.8740292802000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362545755477548
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0355958996013152
;C2 = 0.0039260183383803
;C3 = 0.0000001057367829
```

```

;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 139.0000000000000000)
(setq DesFreq 139000000.0000000000000000)
(setq DesAmp 20.7051282042999990)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873286.8740292802000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362545755477548)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0355958996013152)
(setq C2 0.0039260183383803)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 140000000.0000000000000000
;Desired Amplification = 2.2717948717040000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873287.1186930351000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362548153748448
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0350892028671944
;C2 = 0.0038701326691759
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 140.0000000000000000)
(setq DesFreq 140000000.0000000000000000)
(setq DesAmp 2.2717948717040000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873287.1186930351000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362548153748448)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0350892028671944)
(setq C2 0.0038701326691759)
(setq C3 0.0000001057367829)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 138000000.000000000000000000
;Desired Amplification       = 405.7102563940280200
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873286.6235941260000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362543300633585
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0361136513440984
;C2 = 0.0039831233100109
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

      (setq count 138.0000000000000000)
      (setq DesFreq 138000000.0000000000000000)
      (setq DesAmp 405.7102563940280200)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1873286.6235941260000000)
      (setq CompAcl 0.444500000000000000)
      (setq CheckAmp 1.8362543300633585)
      (setq Signl -1.000000000000000000)
      (setq Sign2 -1.000000000000000000)
      (setq L1 0.000577850000000000)
      (setq C1 0.0361136513440984)
      (setq C2 0.0039831233100109)
      (setq C3 0.0000001057367829)
      (setq Rd 3022600.0000000000000000)
      (setq R1 444500000.0000000000000000)
      (setq R11 61.6640193456665950)

```

```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 139000000.000000000000000000
;Desired Amplification       = 20.7051282042999990
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873286.8740292802000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362545755477548
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0355958996013152
;C2 = 0.0039260183383803
;C3 = 0.0000001057367829

```

```

;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 139.0000000000000000)
(setq DesFreq 139000000.0000000000000000)
(setq DesAmp 20.7051282042999990)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873286.8740292802000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362545755477548)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0355958996013152)
(setq C2 0.0039260183383803)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 140000000.0000000000000000
;Desired Amplification = 2.2717948717040000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873287.1186930351000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362548153748448
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0350892028671944
;C2 = 0.0038701326691759
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 140.0000000000000000)
(setq DesFreq 140000000.0000000000000000)
(setq DesAmp 2.2717948717040000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873287.1186930351000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362548153748448)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0350892028671944)
(setq C2 0.0038701326691759)
(setq C3 0.0000001057367829)

```



```

    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq R11 61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 141000000.000000000000000000
;Desired Amplification = 0.3717948717800000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872984.0027189499000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359576915856100
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0003381627316604
;C2 = 0.0000372973601096
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
    (setq count 141.0000000000000000)
    (setq DesFreq 141000000.0000000000000000)
    (setq DesAmp 0.3717948717800000)
    (setq Init1Amp 1020167.3008604913000000)
    (setq Sec2Amp 1872984.0027189499000000)
    (setq CompAcl 45.4712999999999990)
    (setq CheckAmp 1.8359576915856100)
    (setq Sign1 -1.0000000000000000)
    (setq Sign2 -0.9999999999999999)
    (setq L1 0.0591126900000000)
    (setq C1 0.0003381627316604)
    (setq C2 0.0000372973601096)
    (setq C3 0.0000000010336190)
    (setq Rd 309204840.0000000000000000)
    (setq R1 45471300000.0000000000000000)
    (setq R11 6308.0835160238676000)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 142000000.000000000000000000
;Desired Amplification = 0.1487179487120000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872988.0903204374000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359616983808522
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000

```

```

;C1 = 0.0003334166469024
;C2 = 0.0000367738948789
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 142.0000000000000000)
(setq DesFreq 142000000.0000000000000000)
(setq DesAmp 0.1487179487120000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1872988.0903204374000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359616983808522)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0003334166469024)
(setq C2 0.0000367738948789)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 143000000.0000000000000000
;Desired Amplification = 0.0974358974320000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872992.1204666970000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359656488566773
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0003287697818055
;C2 = 0.0000362613729932
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 143.0000000000000000)
(setq DesFreq 143000000.0000000000000000)
(setq DesAmp 0.0974358974320000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1872992.1204666970000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359656488566773)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)

```

```

(setq C1      0.0003287697818055)
(setq C2      0.0000362613729932)
(setq C3      0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 144000000.0000000000000000
;Desired Amplification       = 0.0179487179480000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1872996.1474686125000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999999
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8359695962503177
;Sign 1 (sign of Result 1)   = -1.0000000000000000
;Sign 2 (sign of Result 2)   = -1.0000000000000000
;L1                           = 0.0591126900000000
;C1                           = 0.0003242193898601
;C2                           = 0.0000357594915287
;C3                           = 0.0000000010336190
;Rd                           = 309204840.0000000000000000
;R1                           = 45471300000.0000000000000000
;R11                          = 6308.0835160238676000
;
;

```

```

(setq count 144.0000000000000000)
(setq DesFreq 144000000.0000000000000000)
(setq DesAmp 0.0179487179480000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1872996.1474686125000000)
(setq CompAcl 45.4712999999999999)
(setq CheckAmp 1.8359695962503177)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0003242193898601)
(setq C2 0.0000357594915287)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency           = 145000000.0000000000000000
;Desired Amplification       = -0.0333333333320000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873000.1538003462000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999999
;Check of Amplification Factor Desired
;(Result 2/Result 1)         = 1.8359735233823973

```

```

;Sign 1 (sign of Result 1)      =      -1.0000000000000000
;Sign 2 (sign of Result 2)      =      -0.9999999999999999
;L1                              =      0.0591126900000000
;C1                              =      0.0003197628189365
;C2                              =      0.0000352679579709
;C3                              =      0.0000000010336190
;Rd                              =      309204840.0000000000000000
;R1                              =      45471300000.0000000000000000
;Rl1                             =      6308.0835160238676000
;
;

```

```

(setq count 145.0000000000000000)
(setq DesFreq 145000000.0000000000000000)
(setq DesAmp -0.03333333333320000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873000.1538003462000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359735233823973)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0003197628189365)
(setq C2 0.0000352679579709)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2

```

```

L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency              =      146000000.0000000000000000
;Desired Amplification          =      -0.0461538461520000
;Initial Result 1 Amplitude     =      1020167.3008604913000000
;Secondary Result 2 Amplitude   =      1873004.0675625245000000
;Computed Acl                   =
;(Component Amplification Factor) =      45.4712999999999990
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           =      1.8359773597748938
;Sign 1 (sign of Result 1)     =      -1.0000000000000000
;Sign 2 (sign of Result 2)     =      -1.0000000000000000
;L1                             =      0.0591126900000000
;C1                             =      0.0003153975074188
;C2                             =      0.0000347864897888
;C3                             =      0.0000000010336190
;Rd                             =      309204840.0000000000000000
;R1                             =      45471300000.0000000000000000
;Rl1                            =      6308.0835160238676000
;
;

```

```

(setq count 146.0000000000000000)
(setq DesFreq 146000000.0000000000000000)
(setq DesAmp -0.0461538461520000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873004.0675625245000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359773597748938)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0003153975074188)
(setq C2 0.0000347864897888)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 147000000.0000000000000000
;Desired Amplification = 0.0076923076920000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873007.8276870975000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359810455669887
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0003111209805239
;C2 = 0.0000343148140284
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 147.0000000000000000)
(setq DesFreq 147000000.0000000000000000)
(setq DesAmp 0.0076923076920000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873007.8276870975000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359810455669887)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0003111209805239)
(setq C2 0.0000343148140284)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 148000000.0000000000000000
;Desired Amplification = 0.0307692307680000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873011.4395505122000000
;Computed Acl

```

```

;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359845860288442
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0003069308467924
;C2 = 0.0000338526669256
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 148.0000000000000000)
(setq DesFreq 148000000.0000000000000000)
(setq DesAmp 0.0307692307680000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873011.4395505122000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359845860288442)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0003069308467924)
(setq C2 0.0000338526669256)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 149000000.0000000000000000
;Desired Amplification = -0.0307692307680000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873014.9720964008000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359880487411713
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0003028247947453
;C2 = 0.0000333997935381
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 149.0000000000000000)
(setq DesFreq 149000000.0000000000000000)
(setq DesAmp -0.0307692307680000)
(setq InitlAmp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873014.9720964008000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359880487411713)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0003028247947453)
(setq C2 0.0000333997935381)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 150000000.0000000000000000
;Desired Amplification = -0.0307692307680000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873018.4990003044000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8359915059230478
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002988005896951
;C2 = 0.0000329559473928
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;Rl1 = 6308.0835160238676000
;
;
(setq count 150.0000000000000000)
(setq DesFreq 150000000.0000000000000000)
(setq DesAmp -0.0307692307680000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873018.4990003044000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359915059230478)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002988005896951)
(setq C2 0.0000329559473928)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 151000000.0000000000000000
;Desired Amplification = 0.0025641025640000

```

```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873022.0356144423000000
;Computed Ac1
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8359949726232008
;Sign 1 (sign of Result 1)       = -1.0000000000000000
;Sign 2 (sign of Result 2)       = -1.0000000000000000
;L1                               = 0.0591126900000000
;C1                               = 0.0002948560707048
;C2                               = 0.0000325208901513
;C3                               = 0.0000000010336190
;Rd                               = 309204840.0000000000000000
;R1                               = 45471300000.0000000000000000
;Rl1                              = 6308.0835160238676000
;
;

```

```

(setq count 151.0000000000000000)
(setq DesFreq 151000000.0000000000000000)
(setq DesAmp 0.0025641025640000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873022.0356144423000000)
(setq CompAc1 45.4712999999999990)
(setq CheckAmp 1.8359949726232008)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002948560707048)
(setq C2 0.0000325208901513)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency      = 152000000.0000000000000000
;Desired Amplification  = 0.0051282051280000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873025.5271402821000000
;Computed Ac1
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8359983951263892
;Sign 1 (sign of Result 1)       = -1.0000000000000000
;Sign 2 (sign of Result 2)       = -1.0000000000000000
;L1                               = 0.0591126900000000
;C1                               = 0.0002909891476861
;C2                               = 0.0000320943912889
;C3                               = 0.0000000010336190
;Rd                               = 309204840.0000000000000000
;R1                               = 45471300000.0000000000000000
;Rl1                              = 6308.0835160238676000
;
;

```

```

(setq count 152.0000000000000000)

```



```

(setq DesFreq 152000000.000000000000000000)
(setq DesAmp 0.0051282051280000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873025.5271402821000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8359983951263892)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002909891476861)
(setq C2 0.0000320943912889)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 153000000.0000000000000000
;Desired Amplification = 0.0435897435880000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873028.8984313747000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360016997717055
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002871977986304
;C2 = 0.0000316762277901
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;Rl1 = 6308.0835160238676000
;
;
(setq count 153.0000000000000000)
(setq DesFreq 153000000.0000000000000000)
(setq DesAmp 0.0435897435880000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873028.8984313747000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360016997717055)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002871977986304)
(setq C2 0.0000316762277901)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```

```

;
;Desired Frequency = 154000000.000000000000000000
;Desired Amplification = 0.0153846153840000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873032.1216355583000000
;Computed Ac1
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360048592575866
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002834800669649
;C2 = 0.0000312661838564
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;

```

```

(setq count 154.0000000000000000)
(setq DesFreq 154000000.0000000000000000)
(setq DesAmp 0.0153846153840000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873032.1216355583000000)
(setq CompAc1 45.4712999999999990)
(setq CheckAmp 1.8360048592575866)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002834800669649)
(setq C2 0.0000312661838564)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 155000000.000000000000000000
;Desired Amplification = -0.0641025641000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873035.2421997108000000
;Computed Ac1
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360079181324886
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0002798340590277
;C2 = 0.0000308640506281
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000

```

```

;
;
(setq count 155.0000000000000000)
(setq DesFreq 155000000.0000000000000000)
(setq DesAmp -0.0641025641000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873035.2421997108000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360079181324886)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0002798340590277)
(setq C2 0.0000308640506281)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 156000000.0000000000000000
;Desired Amplification = -0.0410256410240000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873038.3403722267000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360109550584058
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002762579416560
;C2 = 0.0000304696259179
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;Rl1 = 6308.0835160238676000
;
;

```

```

(setq count 156.0000000000000000)
(setq DesFreq 156000000.0000000000000000)
(setq DesAmp -0.0410256410240000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873038.3403722267000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360109550584058)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002762579416560)
(setq C2 0.0000304696259179)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)

```



```

;Rd = 309204840.000000000000000000
;R1 = 45471300000.000000000000000000
;R11 = 6308.0835160238676000
;
;

```

```

(setq count 158.000000000000000000)
(setq DesFreq 158000000.000000000000000000)
(setq DesAmp 0.0102564102560000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873044.5798237065000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360170711645334)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.059112690000000000)
(setq C1 0.0002693083347276)
(setq C2 0.0000297031251538)
(setq C3 0.0000000010336190)
(setq Rd 309204840.000000000000000000)
(setq R1 45471300000.000000000000000000)
(setq R11 6308.0835160238676000)

```

```

(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 159000000.000000000000000000
;Desired Amplification = 0.0153846153840000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873047.6183557950000000
;Computed Acl =
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired =
;(Result 2/Result 1) = 1.8360200496290322
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.059112690000000000
;C1 = 0.0002659314611028
;C2 = 0.0000293306758569
;C3 = 0.0000000010336190
;Rd = 309204840.000000000000000000
;R1 = 45471300000.000000000000000000
;R11 = 6308.0835160238676000
;
;

```

```

(setq count 159.000000000000000000)
(setq DesFreq 159000000.000000000000000000)
(setq DesAmp 0.0153846153840000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873047.6183557950000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360200496290322)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.059112690000000000)
(setq C1 0.0002659314611028)
(setq C2 0.0000293306758569)
(setq C3 0.0000000010336190)

```

```

(setq Rd 309204840.000000000000000000)
(setq R1 45471300000.000000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 160000000.000000000000000000
;Desired Amplification = -0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873050.5219683030000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360228958411247
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002626177057867
;C2 = 0.0000289651881382
;C3 = 0.0000000010336190
;Rd = 309204840.000000000000000000
;R1 = 45471300000.000000000000000000
;R11 = 6308.0835160238676000
;
;

```

```

(setq count 160.0000000000000000)
(setq DesFreq 160000000.000000000000000000)
(setq DesAmp -0.0179487179480000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873050.5219683030000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360228958411247)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002626177057867)
(setq C2 0.0000289651881382)
(setq C3 0.0000000010336190)
(setq Rd 309204840.000000000000000000)
(setq R1 45471300000.000000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 161000000.000000000000000000
;Desired Amplification = -0.0205128205120000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873053.3048196617000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360256236793491
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000

```

```

;C1 = 0.0002593655055029
;C2 = 0.0000286064895775
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;

```

```

(setq count 161.0000000000000000)
(setq DesFreq 161000000.0000000000000000)
(setq DesAmp -0.0205128205120000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873053.3048196617000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360256236793491)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002593655055029)
(setq C2 0.0000286064895775)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 162000000.0000000000000000
;Desired Amplification = 0.0256410256400000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873056.0396713642000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360283044668047
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0002561733450747
;C2 = 0.0000282544130597
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;

```

```

(setq count 162.0000000000000000)
(setq DesFreq 162000000.0000000000000000)
(setq DesAmp 0.0256410256400000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873056.0396713642000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360283044668047)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)

```

```

    (setq C1      0.0002561733450747)
    (setq C2      0.0000282544130597)
    (setq C3      0.0000000010336190)
    (setq Rd 309204840.0000000000000000)
    (setq R1 45471300000.0000000000000000)
    (setq R11 6308.0835160238676000)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 163000000.0000000000000000
;Desired Amplification = 0.0333333333320000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873058.7950794843000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360310054043054
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002530397556604
;C2 = 0.0000279087965802
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
    (setq count 163.0000000000000000)
    (setq DesFreq 163000000.0000000000000000)
    (setq DesAmp 0.0333333333320000)
    (setq InitlAmp 1020167.3008604913000000)
    (setq Sec2Amp 1873058.7950794843000000)
    (setq CompAcl 45.4712999999999990)
    (setq CheckAmp 1.8360310054043054)
    (setq Sign1 -1.0000000000000000)
    (setq Sign2 -1.0000000000000000)
    (setq L1 0.0591126900000000)
    (setq C1 0.0002530397556604)
    (setq C2 0.0000279087965802)
    (setq C3 0.0000000010336190)
    (setq Rd 309204840.0000000000000000)
    (setq R1 45471300000.0000000000000000)
    (setq R11 6308.0835160238676000)
    (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 164000000.0000000000000000
;Desired Amplification = 0.0076923076920000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873061.5762481941000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360337315931448

```



```

;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                             = 0.0591126900000000
;C1                             = 0.0002499633130629
;C2                             = 0.0000275694830584
;C3                             = 0.0000000010336190
;Rd                             = 309204840.0000000000000000
;R1                             = 45471300000.0000000000000000
;R11                            = 6308.0835160238676000
;
;

```

```

(setq count 164.0000000000000000)
(setq DesFreq 164000000.0000000000000000)
(setq DesAmp 0.0076923076920000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873061.5762481941000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360337315931448)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002499633130629)
(setq C2 0.0000275694830584)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency              = 165000000.0000000000000000
;Desired Amplification          = -0.0410256410240000
;Initial Result 1 Amplitude     = 1020167.3008604913000000
;Secondary Result 2 Amplitude   = 1873064.3215556494000000
;Computed Acl                   =
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           = 1.8360364226296571
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                             = 0.0591126900000000
;C1                             = 0.0002469426361117
;C2                             = 0.0000272363201594
;C3                             = 0.0000000010336190
;Rd                             = 309204840.0000000000000000
;R1                             = 45471300000.0000000000000000
;R11                            = 6308.0835160238676000
;
;

```

```

(setq count 165.0000000000000000)
(setq DesFreq 165000000.0000000000000000)
(setq DesAmp -0.0410256410240000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873064.3215556494000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360364226296571)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002469426361117)
(setq C2 0.0000272363201594)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 166000000.0000000000000000
;Desired Amplification = -0.0615384615360000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873066.9578078608000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360390067667973
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0002439763851118
;C2 = 0.0000269091601226
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 166.0000000000000000)
(setq DesFreq 166000000.0000000000000000)
(setq DesAmp -0.0615384615360000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873066.9578078608000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360390067667973)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0002439763851118)
(setq C2 0.0000269091601226)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 167000000.0000000000000000
;Desired Amplification = 0.0205128205120000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873069.4656361695000000
;Computed Acl

```

```

; (Component Amplification Factor) = 45.4712999999999990
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8360414650187984
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -0.9999999999999999
; L1 = 0.0591126900000000
; C1 = 0.0002410632603586
; C2 = 0.0000265878595984
; C3 = 0.0000000010336190
; Rd = 309204840.0000000000000000
; R1 = 45471300000.0000000000000000
; R11 = 6308.0835160238676000
;
;

```

```

(setq count 167.0000000000000000)
(setq DesFreq 167000000.0000000000000000)
(setq DesAmp 0.0205128205120000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873069.4656361695000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360414650187984)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0002410632603586)
(setq C2 0.0000265878595984)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

; Desired Frequency = 168000000.0000000000000000
; Desired Amplification = 0.0538461538440000
; Initial Result 1 Amplitude = 1020167.3008604913000000
; Secondary Result 2 Amplitude = 1873071.8975337672000000
; Computed Acl
; (Component Amplification Factor) = 45.4712999999999990
; Check of Amplification Factor Desired
; (Result 2/Result 1) = 1.8360438488411337
; Sign 1 (sign of Result 1) = -1.0000000000000000
; Sign 2 (sign of Result 2) = -1.0000000000000000
; L1 = 0.0591126900000000
; C1 = 0.0002382020007136
; C2 = 0.0000262722794905
; C3 = 0.0000000010336190
; Rd = 309204840.0000000000000000
; R1 = 45471300000.0000000000000000
; R11 = 6308.0835160238676000
;
;

```

```

(setq count 168.0000000000000000)
(setq DesFreq 168000000.0000000000000000)
(setq DesAmp 0.0538461538440000)
(setq Init1Amp 1020167.3008604913000000)

```

```

(setq Sec2Amp 1873071.8975337672000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360438488411337)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002382020007136)
(setq C2 0.0000262722794905)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 169000000.0000000000000000
;Desired Amplification = 0.0179487179480000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873074.3326729084000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360462358409320
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002353913822394
;C2 = 0.0000259622848058
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 169.0000000000000000)
(setq DesFreq 169000000.0000000000000000)
(setq DesAmp 0.0179487179480000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873074.3326729084000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360462358409320)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002353913822394)
(setq C2 0.0000259622848058)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 170000000.0000000000000000
;Desired Amplification = 0.0307692307680000

```

```

;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873076.8082338285000000
;Computed Ac1
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360486624634260
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0002326302168907
;C2 = 0.0000256577445100
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 170.0000000000000000)
(setq DesFreq 170000000.0000000000000000)
(setq DesAmp 0.0307692307680000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873076.8082338285000000)
(setq CompAc1 45.4712999999999990)
(setq CheckAmp 1.8360486624634260)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0002326302168907)
(setq C2 0.0000256577445100)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq R11 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 171000000.0000000000000000
;Desired Amplification = 0.0153846153840000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873079.2876306281000000
;Computed Ac1
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360510928459697
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -0.9999999999999999
;L1 = 0.0591126900000000
;C1 = 0.0002299173512582
;C2 = 0.0000253585313888
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;R11 = 6308.0835160238676000
;
;
(setq count 171.0000000000000000)

```

```

(setq DesFreq 171000000.000000000000000000)
(setq DesAmp 0.0153846153840000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873079.2876306281000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360510928459697)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0591126900000000)
(setq C1 0.0002299173512582)
(setq C2 0.0000253585313888)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 172000000.0000000000000000
;Desired Amplification = 0.0641025641000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873081.6935742560000000
;Computed Acl
;(Component Amplification Factor) = 45.4712999999999990
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360534512274096
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0591126900000000
;C1 = 0.0002272516653644
;C2 = 0.0000250645219152
;C3 = 0.0000000010336190
;Rd = 309204840.0000000000000000
;R1 = 45471300000.0000000000000000
;Rl1 = 6308.0835160238676000
;
;
(setq count 172.0000000000000000)
(setq DesFreq 172000000.0000000000000000)
(setq DesAmp 0.0641025641000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873081.6935742560000000)
(setq CompAcl 45.4712999999999990)
(setq CheckAmp 1.8360534512274096)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0591126900000000)
(setq C1 0.0002272516653644)
(setq C2 0.0000250645219152)
(setq C3 0.0000000010336190)
(setq Rd 309204840.0000000000000000)
(setq R1 45471300000.0000000000000000)
(setq Rl1 6308.0835160238676000)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```

```

;
;Desired Frequency = 173000000.000000000000000000
;Desired Amplification = 0.3794871794720000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873090.4730963651000000
;Computed Acl
;(Component Amplification Factor) = 39.03200000000000040
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8360620571904724
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0507416000000000
;C1 = 0.0002616907233328
;C2 = 0.0000288629474264
;C3 = 0.0000000012041402
;Rd = 265417600.0000000300000000
;R1 = 39032000000.0000000000000000
;Rl1 = 5414.7806593927080000
;
;

```

```

(setq count 173.0000000000000000)
(setq DesFreq 173000000.0000000000000000)
(setq DesAmp 0.3794871794720000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873090.4730963651000000)
(setq CompAcl 39.03200000000000040)
(setq CheckAmp 1.8360620571904724)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0507416000000000)
(setq C1 0.0002616907233328)
(setq C2 0.0000288629474264)
(setq C3 0.0000000012041402)
(setq Rd 265417600.0000000300000000)
(setq R1 39032000000.0000000000000000)
(setq Rl1 5414.7806593927080000)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency = 174000000.000000000000000000
;Desired Amplification = 1.7179487178800001
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873293.0834030930000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362606621708095
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0227159590499739
;C2 = 0.0025054366599236
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950

```

```

;
;
(setq count 174.0000000000000000)
(setq DesFreq 174000000.0000000000000000)
(setq DesAmp 1.7179487178800001)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873293.0834030930000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362606621708095)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0227159590499739)
(setq C2 0.0025054366599236)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 175000000.0000000000000000
;Desired Amplification = 13.9871794866200010
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873293.2075810439000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362607838939335
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0224570898350044
;C2 = 0.0024768849082725
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 175.0000000000000000)
(setq DesFreq 175000000.0000000000000000)
(setq DesAmp 13.9871794866200010)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873293.2075810439000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362607838939335)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0224570898350044)
(setq C2 0.0024768849082725)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```



```

      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency           = 176000000.000000000000000000
;Desired Amplification       = 231.5435897343280400
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873293.3303892715000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362609042744118
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0222026206158642
;C2 = 0.0024488184502791
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
      (setq count 176.0000000000000000)
      (setq DesFreq 176000000.000000000000000000)
      (setq DesAmp 231.5435897343280400)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1873293.3303892715000000)
      (setq CompAcl 0.444500000000000000)
      (setq CheckAmp 1.8362609042744118)
      (setq Sign1 -1.000000000000000000)
      (setq Sign2 -1.000000000000000000)
      (setq L1 0.000577850000000000)
      (setq C1 0.0222026206158642)
      (setq C2 0.0024488184502791)
      (setq C3 0.0000001057367829)
      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq Rl1 61.6640193456665950)
      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Signl Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency           = 177000000.000000000000000000
;Desired Amplification       = -418843.5333165796500000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873293.4518207416000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362610233053491
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0219524522390440
;C2 = 0.0024212263498946
;C3 = 0.0000001057367829

```

```

;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 177.0000000000000000)
(setq DesFreq 177000000.0000000000000000)
(setq DesAmp -418843.5333165796500000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873293.4518207416000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362610233053491)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0219524522390440)
(setq C2 0.0024212263498946)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 178000000.0000000000000000
;Desired Amplification = 6534827.1561488640000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873293.5712561514000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362611403796856
;(Result 2/Result 1) = -1.0000000000000000
;Sign 1 (sign of Result 1) = -0.9999999999999999
;Sign 2 (sign of Result 2) = 0.0005778500000000
;L1 = 0.0217064883283995
;C1 = 0.0023940979773970
;C2 = 0.0000001057367829
;C3 = 3022600.0000000000000000
;Rd = 444500000.0000000000000000
;R1 = 61.6640193456665950
;R11 =
;
;
(setq count 178.0000000000000000)
(setq DesFreq 178000000.0000000000000000)
(setq DesAmp 6534827.1561488640000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873293.5712561514000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362611403796856)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0217064883283995)
(setq C2 0.0023940979773970)
(setq C3 0.0000001057367829)

```

```

    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq R11 61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 179000000.000000000000000000
;Desired Amplification = -49949338.654412292000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873293.688049364800000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362612548640582
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0214646351923164
;C2 = 0.0023674229991525
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;
    (setq count 179.000000000000000000)
    (setq DesFreq 179000000.000000000000000000)
    (setq DesAmp -49949338.654412292000000000)
    (setq Init1Amp 1020167.300860491300000000)
    (setq Sec2Amp 1873293.688049364800000000)
    (setq CompAcl 0.444500000000000000)
    (setq CheckAmp 1.8362612548640582)
    (setq Sign1 -1.000000000000000000)
    (setq Sign2 -1.000000000000000000)
    (setq L1 0.000577850000000000)
    (setq C1 0.0214646351923164)
    (setq C2 0.0023674229991525)
    (setq C3 0.0000001057367829)
    (setq Rd 3022600.000000000000000000)
    (setq R1 444500000.000000000000000000)
    (setq R11 61.6640193456665950)
    (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 180000000.000000000000000000
;Desired Amplification = 247426636.164461910000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873293.802135300600000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362613666946723
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000

```

```

;C1 = 0.0212268017344756
;C2 = 0.0023411913677730
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 180.0000000000000000)
(setq DesFreq 180000000.0000000000000000)
(setq DesAmp 247426636.1644619100000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873293.8021353006000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362613666946723)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0212268017344756)
(setq C2 0.0023411913677730)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency = 181000000.0000000000000000
;Desired Amplification = -887795700.3491035700000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873293.9141257834000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362614764712577
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0209928993680599
;C2 = 0.0023153933126537
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 181.0000000000000000)
(setq DesFreq 181000000.0000000000000000)
(setq DesAmp -887795700.3491035700000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873293.9141257834000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362614764712577)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)

```

```

(setq C1      0.0209928993680599)
(setq C2      0.0023153933126537)
(setq C3      0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1     61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 182000000.0000000000000000
;Desired Amplification       = 2443187528.6150932000000000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873294.0248091226000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362615849665398
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0207628419332511
;C2 = 0.0022900193308733
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 182.0000000000000000)
(setq DesFreq 182000000.0000000000000000)
(setq DesAmp 2443187528.6150932000000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873294.0248091226000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362615849665398)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0207628419332511)
(setq C2 0.0022900193308733)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency           = 183000000.0000000000000000
;Desired Amplification       = -5321321376.0486860000000000
;Initial Result 1 Amplitude  = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873294.1344934606000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362616924825699

```

```

;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                             = 0.0005778500000000
;C1                             = 0.0205365456178748
;C2                             = 0.0022650601784421
;C3                             = 0.0000001057367829
;Rd                             = 3022600.0000000000000000
;R1                             = 444500000.0000000000000000
;R11                            = 61.6640193456665950
;
;
  (setq count 183.0000000000000000)
  (setq DesFreq 183000000.0000000000000000)
  (setq DesAmp -5321321376.0486860000000000)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1873294.1344934606000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8362616924825699)
  (setq Sign1 -1.0000000000000000)
  (setq Sign2 -1.0000000000000000)
  (setq L1 0.0005778500000000)
  (setq C1 0.0205365456178748)
  (setq C2 0.0022650601784421)
  (setq C3 0.0000001057367829)
  (setq Rd 3022600.0000000000000000)
  (setq R1 444500000.0000000000000000)
  (setq R11 61.6640193456665950)
  (insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency              = 184000000.0000000000000000
;Desired Amplification          = 9310811802.8096199000000000
;Initial Result 1 Amplitude     = 1020167.3008604913000000
;Secondary Result 2 Amplitude   = 1873294.2427713589000000
;Computed Acl                   =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired =
;(Result 2/Result 1)           = 1.8362617986199634
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -0.9999999999999999
;L1                             = 0.0005778500000000
;C1                             = 0.0203139288810554
;C2                             = 0.0022405068618811
;C3                             = 0.0000001057367829
;Rd                             = 3022600.0000000000000000
;R1                             = 444500000.0000000000000000
;R11                            = 61.6640193456665950
;
;
  (setq count 184.0000000000000000)
  (setq DesFreq 184000000.0000000000000000)
  (setq DesAmp 9310811802.8096199000000000)
  (setq Init1Amp 1020167.3008604913000000)
  (setq Sec2Amp 1873294.2427713589000000)
  (setq CompAcl 0.4445000000000000)
  (setq CheckAmp 1.8362617986199634)

```

```

(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0203139288810554)
(setq C2 0.0022405068618811)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 185000000.0000000000000000
;Desired Amplification = -13084065460.0074080000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873294.3489126374000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362619026629752
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000002
;L1 = 0.0005778500000000
;C1 = 0.0200949123797519
;C2 = 0.0022163506301197
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;Rl1 = 61.6640193456665950
;
;

```

```

(setq count 185.0000000000000000)
(setq DesFreq 185000000.0000000000000000)
(setq DesAmp -13084065460.0074080000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873294.3489126374000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362619026629752)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000002)
(setq L1 0.0005778500000000)
(setq C1 0.0200949123797519)
(setq C2 0.0022163506301197)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)

```

```

;
;
;Desired Frequency = 186000000.0000000000000000
;Desired Amplification = 14430005116.3074170000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873294.4525400803000000
;Computed Acl

```

```

;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362620042418463
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -0.999999999999999999
;L1 = 0.000577850000000000
;C1 = 0.0198794188980521
;C2 = 0.0021925829666969
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 186.0000000000000000)
(setq DesFreq 186000000.0000000000000000)
(setq DesAmp 14430005116.307417000000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873294.452540080300000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362620042418463)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -0.999999999999999999)
(setq L1 0.000577850000000000)
(setq C1 0.0198794188980521)
(setq C2 0.0021925829666969)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 187000000.000000000000000000
;Desired Amplification = -11508054489.880703000000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873294.553993867000000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362621036900315
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0196673732791046
;C2 = 0.0021691955822542
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 187.0000000000000000)
(setq DesFreq 187000000.0000000000000000)
(setq DesAmp -11508054489.880703000000000000)
(setq Init1Amp 1020167.300860491300000000)

```



```

(setq Sec2Amp 1873294.553993867000000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362621036900315)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0196673732791046)
(setq C2 0.0021691955822542)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 188000000.000000000000000000
;Desired Amplification = 4392466441.370455700000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873294.654064310900000000
;Computed Acl =
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362622017822208
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0194587023595804
;C2 = 0.0021461804073067
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 188.000000000000000000)
(setq DesFreq 188000000.000000000000000000)
(setq DesAmp 4392466441.370455700000000000)
(setq Init1Amp 1020167.300860491300000000)
(setq Sec2Amp 1873294.654064310900000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362622017822208)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0194587023595804)
(setq C2 0.0021461804073067)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 189000000.000000000000000000
;Desired Amplification = 4468377580.372547100000000000

```

```

;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873294.7533279399000000
;Computed Ac1                    =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362622990835447
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0192533349065539
;C2                              = 0.0021235295852817
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

(setq count 189.0000000000000000)
(setq DesFreq 189000000.0000000000000000)
(setq DesAmp 4468377580.3725471000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873294.7533279399000000)
(setq CompAc1 0.4445000000000000)
(setq CheckAmp 1.8362622990835447)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0192533349065539)
(setq C2 0.0021235295852817)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq Rl1 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAc1 CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;

```

```

;Desired Frequency              = 190000000.0000000000000000
;Desired Amplification          = -11554451650.7250020000000000
;Initial Result 1 Amplitude      = 1020167.3008604913000000
;Secondary Result 2 Amplitude    = 1873294.8516707432000000
;Computed Ac1                    =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1)            = 1.8362623954822463
;Sign 1 (sign of Result 1)      = -1.0000000000000000
;Sign 2 (sign of Result 2)      = -1.0000000000000000
;L1                              = 0.0005778500000000
;C1                              = 0.0190512015567039
;C2                              = 0.0021012354658129
;C3                              = 0.0000001057367829
;Rd                              = 3022600.0000000000000000
;R1                              = 444500000.0000000000000000
;Rl1                             = 61.6640193456665950
;
;

```

```

\ (setq count 190.0000000000000000)

```

```

(setq DesFreq 190000000.000000000000000000)
(setq DesAmp -11554451650.725002000000000000)
(setq InitlAmp 1020167.300860491300000000)
(setq Sec2Amp 1873294.851670743200000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362623954822463)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0190512015567039)
(setq C2 0.0021012354658129)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;
;
;Desired Frequency = 191000000.000000000000000000
;Desired Amplification = 14435138215.017466000000000000
;Initial Result 1 Amplitude = 1020167.300860491300000000
;Secondary Result 2 Amplitude = 1873294.948417829800000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362624903167766
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0188522347577372
;C2 = 0.0020792905982798
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;Rl1 = 61.6640193456665950
;
;
(setq count 191.0000000000000000)
(setq DesFreq 191000000.000000000000000000)
(setq DesAmp 14435138215.017466000000000000)
(setq InitlAmp 1020167.300860491300000000)
(setq Sec2Amp 1873294.948417829800000000)
(setq CompAcl 0.444500000000000000)
(setq CheckAmp 1.8362624903167766)
(setq Sign1 -1.000000000000000000)
(setq Sign2 -1.000000000000000000)
(setq L1 0.000577850000000000)
(setq C1 0.0188522347577372)
(setq C2 0.0020792905982798)
(setq C3 0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq Rl1 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 Rl1)
;

```



```

;
;
(setq count 193.0000000000000000)
(setq DesFreq 193000000.0000000000000000)
(setq DesAmp 9273485539.7982922000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873295.1352988465000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362626735034131)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0184635393217807)
(setq C2 0.0020364197781376)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 194000000.0000000000000000
;Desired Amplification = -5289815189.0858431000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873295.2261055342000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362627625149779
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0182736841374485
;C2 = 0.0020154798681009
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 194.0000000000000000)
(setq DesFreq 194000000.0000000000000000)
(setq DesAmp -5289815189.0858431000000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873295.2261055342000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362627625149779)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0182736841374485)
(setq C2 0.0020154798681009)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```



```

;
;
(setq count 193.0000000000000000)
(setq DesFreq 193000000.0000000000000000)
(setq DesAmp 9273485539.7982922000000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873295.1352988465000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362626735034131)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0184635393217807)
(setq C2 0.0020364197781376)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)

```

```

;
;
;Desired Frequency = 194000000.0000000000000000
;Desired Amplification = -5289815189.0858431000000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873295.2261055342000000
;Computed Acl
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362627625149779
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0182736841374485
;C2 = 0.0020154798681009
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 194.0000000000000000)
(setq DesFreq 194000000.0000000000000000)
(setq DesAmp -5289815189.0858431000000000)
(setq InitlAmp 1020167.3008604913000000)
(setq Sec2Amp 1873295.2261055342000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362627625149779)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0182736841374485)
(setq C2 0.0020154798681009)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```



```

;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 196.0000000000000000)
(setq DesFreq 196000000.0000000000000000)
(setq DesAmp -878858011.1033072500000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873295.4055614760000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362629384233231)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -0.9999999999999999)
(setq L1 0.0005778500000000)
(setq C1 0.0179026545240788)
(setq C2 0.0019745574842734)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 197000000.0000000000000000
;Desired Amplification = 244308943.0261250700000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873295.4939261896000000
;Computed Acl = 0.4445000000000000
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired = 1.8362630250411882
;(Result 2/Result 1) = 1.8362630250411882
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0177213629878897
;C2 = 0.0019545620942525
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;
(setq count 197.0000000000000000)
(setq DesFreq 197000000.0000000000000000)
(setq DesAmp 244308943.0261250700000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873295.4939261896000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362630250411882)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0177213629878897)
(setq C2 0.0019545620942525)
(setq C3 0.0000001057367829)

```

```

      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq R11 61.6640193456665950)
      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 198000000.000000000000000000
;Desired Amplification = -49160197.9877771810000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873295.5804850268000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362631098888766
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000
;C1 = 0.0175428113508063
;C2 = 0.0019348688989860
;C3 = 0.0000001057367829
;Rd = 3022600.000000000000000000
;R1 = 444500000.000000000000000000
;R11 = 61.6640193456665950
;
;

```

```

      (setq count 198.000000000000000000)
      (setq DesFreq 198000000.000000000000000000)
      (setq DesAmp -49160197.9877771810000000)
      (setq InitlAmp 1020167.3008604913000000)
      (setq Sec2Amp 1873295.5804850268000000)
      (setq CompAcl 0.444500000000000000)
      (setq CheckAmp 1.8362631098888766)
      (setq Sign1 -1.000000000000000000)
      (setq Sign2 -1.000000000000000000)
      (setq L1 0.000577850000000000)
      (setq C1 0.0175428113508063)
      (setq C2 0.0019348688989860)
      (setq C3 0.0000001057367829)
      (setq Rd 3022600.000000000000000000)
      (setq R1 444500000.000000000000000000)
      (setq R11 61.6640193456665950)
      (insblkd count DesFreq DesAmp InitlAmp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;
;Desired Frequency = 199000000.000000000000000000
;Desired Amplification = 6401604.9279490635000000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873295.6649316517000000
;Computed Acl
;(Component Amplification Factor) = 0.444500000000000000
;Check of Amplification Factor Desired
;(Result 2/Result 1) = 1.8362631926661082
;Sign 1 (sign of Result 1) = -1.000000000000000000
;Sign 2 (sign of Result 2) = -1.000000000000000000
;L1 = 0.000577850000000000

```

```

;C1 = 0.0173669446780892
;C2 = 0.0019154718394951
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 199.0000000000000000)
(setq DesFreq 199000000.0000000000000000)
(setq DesAmp 6401604.9279490635000000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873295.6649316517000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362631926661082)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)
(setq C1 0.0173669446780892)
(setq C2 0.0019154718394951)
(setq C3 0.0000001057367829)
(setq Rd 3022600.0000000000000000)
(setq R1 444500000.0000000000000000)
(setq R11 61.6640193456665950)

```

```

(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
;

```

```

;Desired Frequency = 200000000.0000000000000000
;Desired Amplification = -406611.5358811714700000
;Initial Result 1 Amplitude = 1020167.3008604913000000
;Secondary Result 2 Amplitude = 1873295.7476792608000000
;Computed Acl =
;(Component Amplification Factor) = 0.4445000000000000
;Check of Amplification Factor Desired =
;(Result 2/Result 1) = 1.8362632737779110
;Sign 1 (sign of Result 1) = -1.0000000000000000
;Sign 2 (sign of Result 2) = -1.0000000000000000
;L1 = 0.0005778500000000
;C1 = 0.0171937094049253
;C2 = 0.0018963650078962
;C3 = 0.0000001057367829
;Rd = 3022600.0000000000000000
;R1 = 444500000.0000000000000000
;R11 = 61.6640193456665950
;
;

```

```

(setq count 200.0000000000000000)
(setq DesFreq 200000000.0000000000000000)
(setq DesAmp -406611.5358811714700000)
(setq Init1Amp 1020167.3008604913000000)
(setq Sec2Amp 1873295.7476792608000000)
(setq CompAcl 0.4445000000000000)
(setq CheckAmp 1.8362632737779110)
(setq Sign1 -1.0000000000000000)
(setq Sign2 -1.0000000000000000)
(setq L1 0.0005778500000000)

```

```
(setq C1      0.0171937094049253)
(setq C2      0.0018963650078962)
(setq C3      0.0000001057367829)
(setq Rd 3022600.000000000000000000)
(setq R1 444500000.000000000000000000)
(setq R11     61.6640193456665950)
(insblkd count DesFreq DesAmp Init1Amp Sec2Amp CompAcl CheckAmp Sign1 Sign2
L1 C1 C2 C3 Rd R1 R11)
;
)
)
```